

LARGE SCALE DEVELOPMENT PLANS
CAPTAIN D'S
2207 W. WALNUT ST.
ROGERS, AR 72756

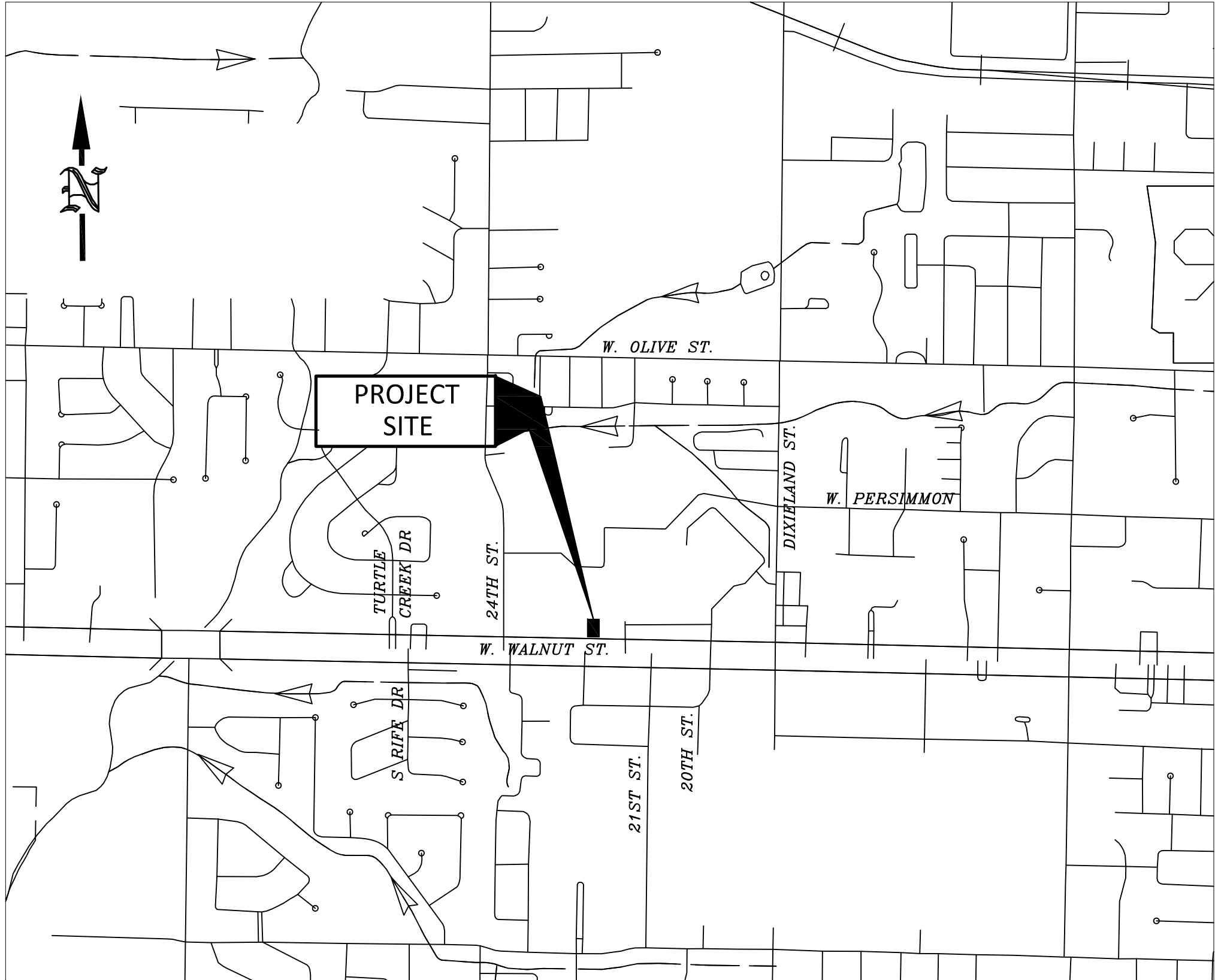
NOTES TO CONTRACTOR:

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND WORKING WITH UTILITY COMPANIES.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING SOILS LAB AND CITY ENGINEER FOR SOIL TESTS ON SUBGRADE AND BASE. THE CONTRACTOR, AT HIS EXPENSE, SHALL PROVIDE SOIL TESTS ON ALL NATURAL SUBGRADES, SELECTED ON-SITE FILL MATERIAL, HILL SIDE, AND OTHER MATERIALS REQUESTED TO BE USED. INDIVIDUAL PROCTORS, DENSITIES, ATTERBERG LIMITS, AND CBR VALUES SHALL BE PROVIDED BY THE CONTRACTOR ON EACH CHARACTER OF SOIL USED IN STREET SUBGRADES AND/OR EVERY 500 L.F. OF STREET OR AS REQUIRED BY THE CITY OF ROGERS.
- CONTRACTOR IS RESPONSIBLE FOR POSTING BOND AND OBTAINING ALL PERMITS FOR CONSTRUCTION REQUIRED BY ALL GOVERNMENTAL AGENCIES WITH THIS PROJECT.
- ALL FILL AREAS WITHIN LOT BUILDING SITE SHALL BE GRUBBED TO HARDPAN & THEN BACKFILLED WITH SELECTED MATERIALS COMPACTED IN 8" LIFTS TO 95% MODIFIED PROCTOR.

SUBSIDIARY NOTES TO OTHER ITEMS OF THE CONTRACT: (WHEN APPLICABLE)

- ALL DITCHES BEHIND NEW CURB SHALL BE BACKFILLED TO SLOPE FROM TOP OF CURB OR WALK TO YARD WITH GRADE TO DRAIN YARDS INTO GUTTERS AND DRAINS. ALL BACKFILL SHALL HAVE A PLASTICITY INDEX (PI) OF 10 OR LESS.
- THE CONTRACTOR SHALL PROVIDE AN ACCEPTABLE MAINTENANCE BOND IN THE AMOUNT AND COVERAGE PERIOD PRESCRIBED BY ORDINANCE FOR THE VARIOUS TYPES OF INSTALLED IMPROVEMENTS AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS. SEPARATE MAINTENANCE BONDS IN ACCORDANCE WITH THE FOLLOWING DETERMINATION SHALL BE FILED WITH THE CITY ENGINEER PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF ROGERS BUILDING REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL PRIVATE FENCES, TREES, SHRUBS, ETC. WHICH INTERFERE WITH CONSTRUCTION AND SHALL REPLACE FENCES AND OTHER ITEMS TO EQUAL OR BETTER CONDITION.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF MINOR OBSTRUCTIONS WITHIN CONSTRUCTION LIMITS CONFORMING TO AND IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
- PROPOSALS FOR "EARTHWORK AND SITE PREPARATION" SHALL INCLUDE ALL NECESSARY CLEANING, GRUBBING, SELECTIVE CLEARING, PRESERVED VEGETATION, SCALPING, AND CLEARING AND GRUBBING TREES AS DESCRIBED IN THE "ARKANSAS STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" LATEST EDITION.
- ALL TRENCHES UNDER PAVEMENT CAUSED BY REMOVAL AND/OR INSTALLATION OF STORM SEWERS SHALL BE BACKFILLED WITH COMPACTED CLASS 7 BASE MATERIAL TO CITY OF ROGERS STANDARDS.
- UPON COMPLETION OF CONSTRUCTION OF IMPROVEMENTS, ALL YARD AREAS FROM CONSTRUCTION LINE TO TEMPORARY CONSTRUCTION LINE SHALL BE SUCCESSFULLY SEEDED AND REVEGETATED WHERE NECESSARY, AS DIRECTED BY THE ENGINEER AND CITY OFFICIAL. SEED SHALL BE FESCUE OR OTHER APPROVED SEED AS INDICATED IN THE LANDSCAPE PLAN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR AND MATERIAL COSTS REQUIRED FOR PROTECTING AND REPAIRING DAMAGES TO ALL UTILITIES WITHIN AND ADJOINING CONSTRUCTION SITES CAUSED BY PROJECT CONSTRUCTION, WHETHER PUBLIC OR PRIVATE UTILITY.
- CONTRACTOR SHALL, AT HIS EXPENSE, HAVE DENSITY TESTS PERFORMED ON EACH 8" LIFT OF COMPACTED MATERIAL AT LOCATIONS DESIGNATED BY THE CITY ENGINEER FOR PUBLIC PROJECTS OR THE ENGINEER OF RECORD FOR PRIVATE DEVELOPMENTS. RESULTS SHALL BE IMMEDIATELY DELIVERED TO THE ENGINEER OR CITY ENGINEER AS APPROPRIATE. TESTS MUST BE PERFORMED BY A SOILS TESTING LAB APPROVED BY THE ENGINEER OR THE CITY ENGINEER.
- ALL TREES WITHIN STREET RIGHT-OF-WAY SHALL BE REMOVED AND DISPOSED OF. ALL TREE LIMBS OVER HANGING STREET SHALL BE TRIMMED TO A HEIGHT OF SIXTEEN FEET (16') ABOVE PAVEMENT SURFACE.

CONTRACTOR SHALL PROVIDE WITH BID:
SUBCONTRACTORS TO BE USED ON THIS PROJECT, PROVIDE THE FOLLOWING:
A. SUBCONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER
B. SPECIFY WHAT PORTION OF THIS PROJECT SUBCONTRACTOR WILL PERFORM.
C. LIST TWO (2) PROJECTS WITH OWNER'S NAMES, WHICH THE SUBCONTRACTOR HAS COMPLETED IN THE PAST FIVE (5) YEARS, OF SIMILAR NATURE.



VICINITY MAP
N.T.S

E-898
MILHOLLAND COMPANY
ENGINEERING & SURVEYING
Fayetteville, Arkansas
205 W. Center
Phone: (479) 443-4724 Fax: (479) 443-4707

UTILITY COMPANIES

SOURCE GAS 655 EAST MILSAP DR. PO BOX 13288 FAYETTEVILLE, AR 72702	KENNETH PETERS FIELD COORDINATOR OFFICE: 479-333-7009 CELL: 479-877-0430
AT&T 1133 E Harold St FAYETTEVILLE, AR 72703	BRYAN WILLIAMS PHONE: 479-442-3173 No FAX, Must Call
SOUTHWESTERN ELECTRIC POWER CO. PO BOX 1328 FAYETTEVILLE, AR 72702	MARK BEASLEY PHONE: 479-986-1004 EMAIL: mkbeasley@aep.com
COX COMMUNICATION 4901 S. 48TH STREET SPRINGDALE, AR 72762	LARRY ALEXANDER PHONE: 479-717-3740 CELL: 479-871-7606
ROGERS WATER UTILITIES 601 S 2ND STREET ROGERS, AR 72756	EARL RAUSCH SUPERINTENDENT PHONE: 479-621-1142

CITY OF ROGERS, AR

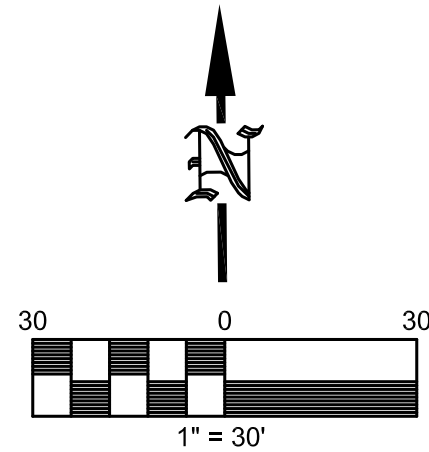
STEVE GLASS 301 W. CHESTNUT ST. ROGERS, AR 72756	DIRECTOR OF PLANNING & TRANSPORTATION PHONE: 479-621-1186
LORI ERICSON 301 W. CHESTNUT ST. ROGERS, AR 72756	CITY PLANNER PHONE: 479-621-1186
NATHAN BECKNELL 301 W. CHESTNUT ST. ROGERS, AR 72756	CITY PROJECT ENGINEER PHONE: 479-621-1186
BENJAMIN GARDNER 301 W. CHESTNUT ST. ROGERS, AR 72756	CITY INSPECTOR PHONE: 479-621-1100

PROJECT ENGINEER

MILHOLLAND COMPANY 205 WEST CENTER FAYETTEVILLE, AR 72701 PHONE: 443-4724 FAX: 443-4707	MELVIN MILHOLLAND, PE, PLS PROJECT SENIOR ENGINEER CELL: 601-5087
PROJECT ENGINEER'S INSPECTOR	SAM HAMPTON CELL: 841-0104

PLAN INDEX:

- COVER SHEET
- SITE PLAN
- GRADING, EROSION CONTROL & SWPPP PLAN
- UTILITY PLAN
- SANITARY SEWER PLAN & PROFILE
- LANDSCAPE PLAN
- GENERAL DETAILS
- ROGERS STANDARD SEWER DETAILS



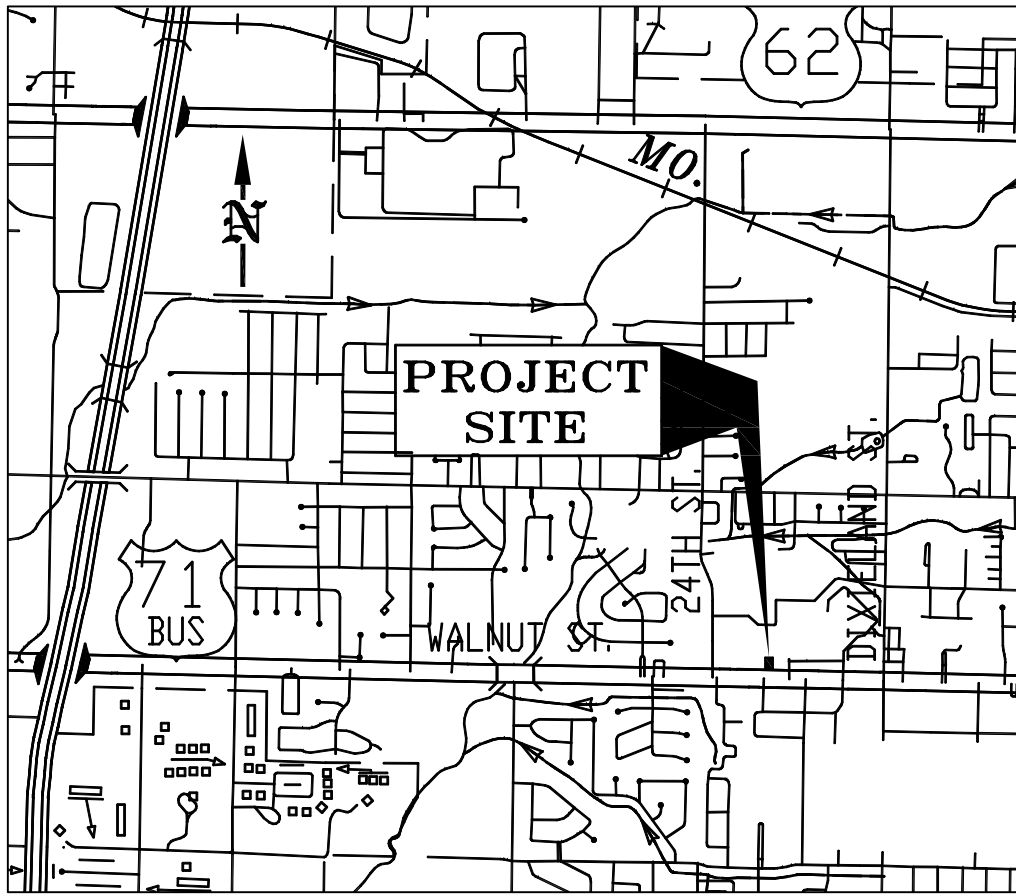
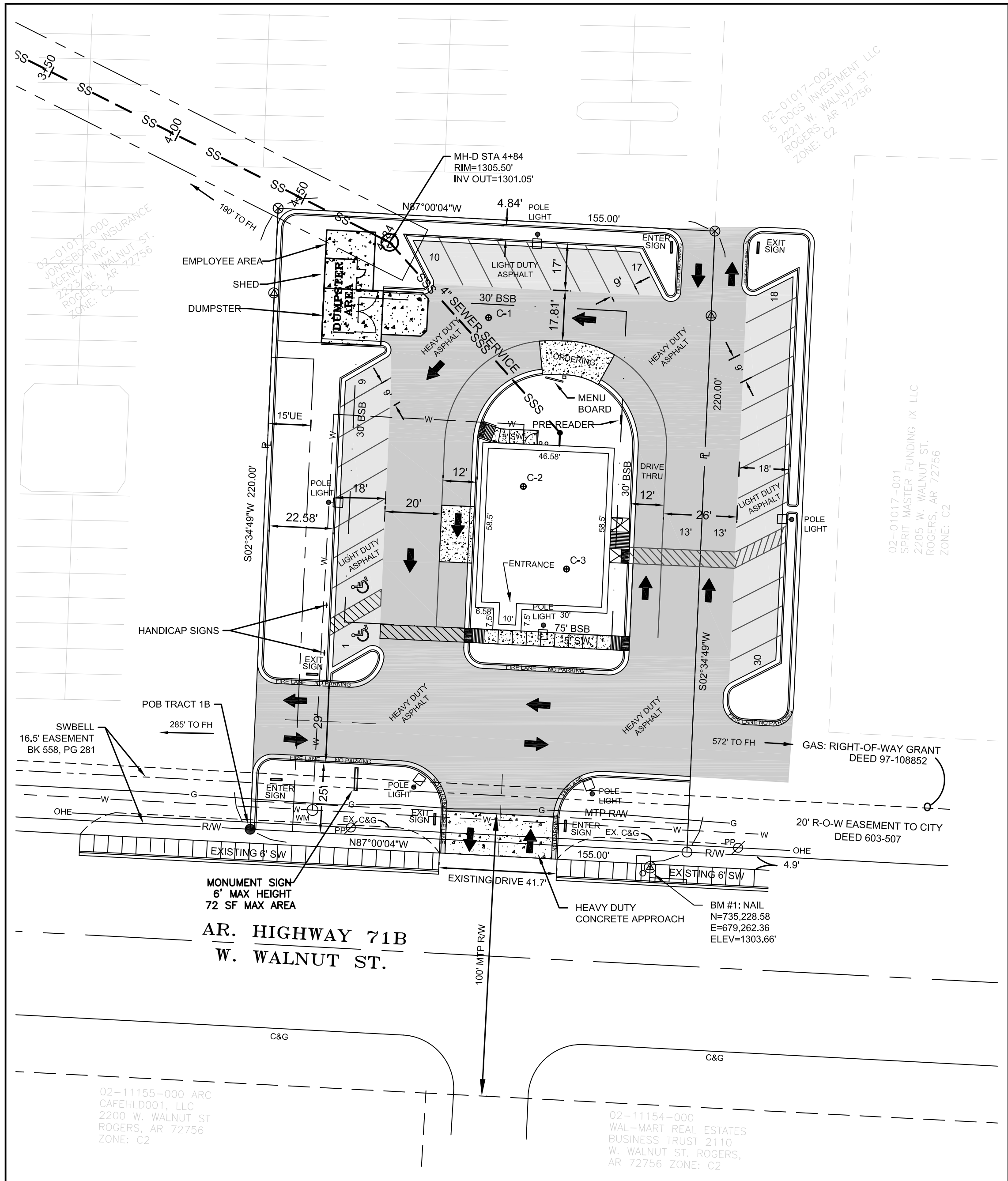
LEGEND

- STATE MONUMENT
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○ SET IRON PIN
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⊙ PK NAIL
R/W RIGHT-OF-WAY
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□ POWER POLE
⊙ SANITARY SEWER MANHOLE
FIRE LANE NO PARKING
— G — GAS LINE
— W — WATER LINE
— SS — SANITARY SEWER LINE
— OHE — OVERHEAD ELECTRIC
CONCRETE

NAVD88 BENCHMARKS:

BM #1: NAIL AT DRAIN BOX
N=735,228.58
E=679,262.36
ELEV=1303.66'

BM #2: N. RIM SSMH A
N=735,745.37
E=678,892.64
ELEV=1305.74'



VICINITY MAP

SITE INFORMATION:

SURVEY DESCRIPTION: PLA: TRACT 1B.1

A PART OF THE SW $\frac{1}{4}$ OF THE NW $\frac{1}{4}$ OF SECTION 11, TOWNSHIP 19 NORTH, RANGE 30 WEST IN ROGERS, BENTON COUNTY, ARKANSAS, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SW CORNER OF THE SW $\frac{1}{4}$ OF THE NW $\frac{1}{4}$ OF SAID SECTION 11; THENCE S 86° 55' 37" E 811.58 FEET, THENCE N 02° 35' 25" E 40.00 FEET TO A FOUND $\frac{1}{2}$ " REBAR ON THE NORTH ROW OF WALNUT STREET, AND THENCE S 87° 00' 04" E 189.18 FEET TO A $\frac{1}{2}$ " REBAR SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE N 02° 34' 49" E 220.00 FEET TO A SET COTTON SPINDLE; THENCE S 87° 00' 04" E 155.00 FEET TO A SET COTTON SPINDLE; THENCE S 02° 34' 49" W 220.00 FEET TO A SET $\frac{1}{2}$ " REBAR ON SAID ROW; THENCE ALONG SAID ROW N 87° 00' 04" W 155.00 FEET TO THE POINT OF BEGINNING, CONTAINING 0.783 ACRES, MORE OR LESS. **SUBJECT TO:** THE RIGHT-OF-WAY OF U.S. HIGHWAY #71B (WALNUT STREET) AND ANY EASEMENTS OF RECORD.

ADDRESS: 2207 W. WALNUT ST. ROGERS, AR. 72756

AREA: 0.783 ACRES

ZONING: C-2 OVERLAY DISTRICT

PARKING REQUIREMENTS

REQUIRED	PROVIDED
1 SPACE PER 4 OCCUPANTS + 11 EMPLOYEES	
= (83+11)/4 = 23.5	24
HC PARKING SPACES = 2	
(1 VAN ACCESSIBLE + 1 HANDICAP)	
TOTAL PARKING SPACES PROVIDED	24
(17 SPACES ON SITE PLUS 7 SPACES OFFSITE PER A PARKING AGREEMENT BETWEEN OWNERS)	

BUILDING SETBACKS:

FRONT	- 75'
SIDE	- 30'
REAR	- 30'

GREENSPACE REQUIREMENT: 20% REQ'D; 21.2% PROVIDED

FRONT LANDSCAPE AREA	- 25' EXCLUSIVE OF R.O.W.
SIDE LANDSCAPE AREAS	- 10' FROM PROPERTY LINE
REAR LANDSCAPE AREA	- 10' FROM PROPERTY LINE

GEOTECHNICAL ENGINEER CORINGS:

DRIVE CENTERLINE	CORE #1	C-1
NORTHWEST IN BUILDING	CORE #2	C-2
SOUTHEAST IN BUILDING	CORE #3	C-3

VARIANCES BEING REQUESTD:

1. LOT SIZE LESS THAN 1.0 ACRE
2. PLACEMENT OF SIDE AND REAR LANDSCAPED AREAS.

FLOOD STATEMENT:
THIS PROPERTY DOES NOT LIE WITHIN ANY FLOOD PLAIN OR FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP 05007C0260K DATED JUNE 5, 2012.

** NOTE: SEE DETAILS ON SHEET 7

LSD: SITE PLAN

CAPTAIN D'S RESTAURANT

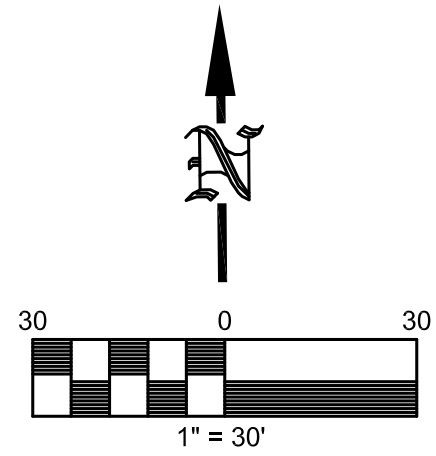
ROGERS		BENTON COUNTY		ARKANSAS	
DATE:	11-23-2015	OWNER(S):	TRACT # 1B SMITCO EATERIES INC P.O. BOX 10854 FAYETTEVILLE, AR 72703	SCALE:	1"=30'
REVISIONS:				FIELD BOOK No(s):	BOOK 3 PAGES 61-63
ZONING:	C-2 HIGHWAY COMMERCIAL			DRAWN BY:	RLA
OVERLAY DISTRICT				CHECKED BY:	MLM
				F.W:	SH
MSP* WALNUT ST. "MAJOR ARTERIAL"				DRAWING NO.	E-898 C-02 SITE PLAN
205 W. Center Fayetteville, Arkansas	Phone:(479)443-4724 Fax:(479)443-4707 MCOEngr@swbell.net			AREA:	0.783 AC (+)
				BASIS OF BEARINGS:	NAD 83-AR NORTH STATE PLANE COORDINATES



KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.

CITY OF ROGERS APPROVAL

CHAIRMAN, CITY PLANNING COMMISSION DATE



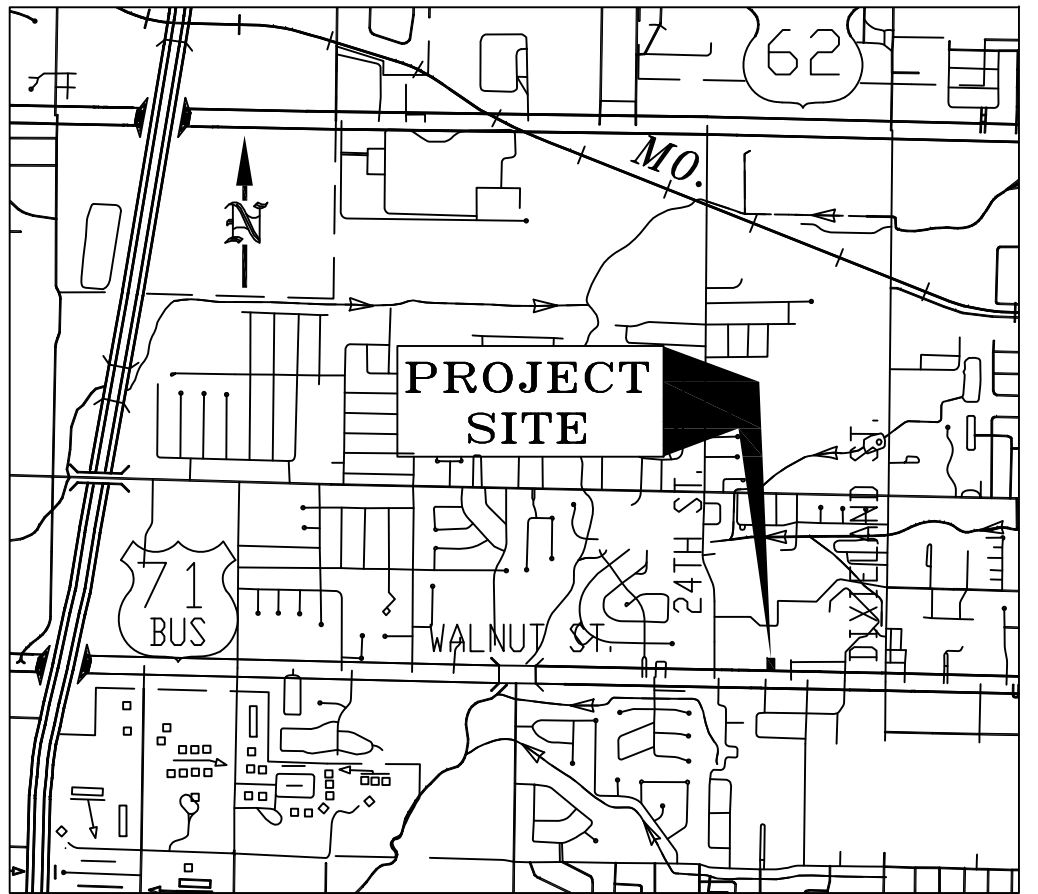
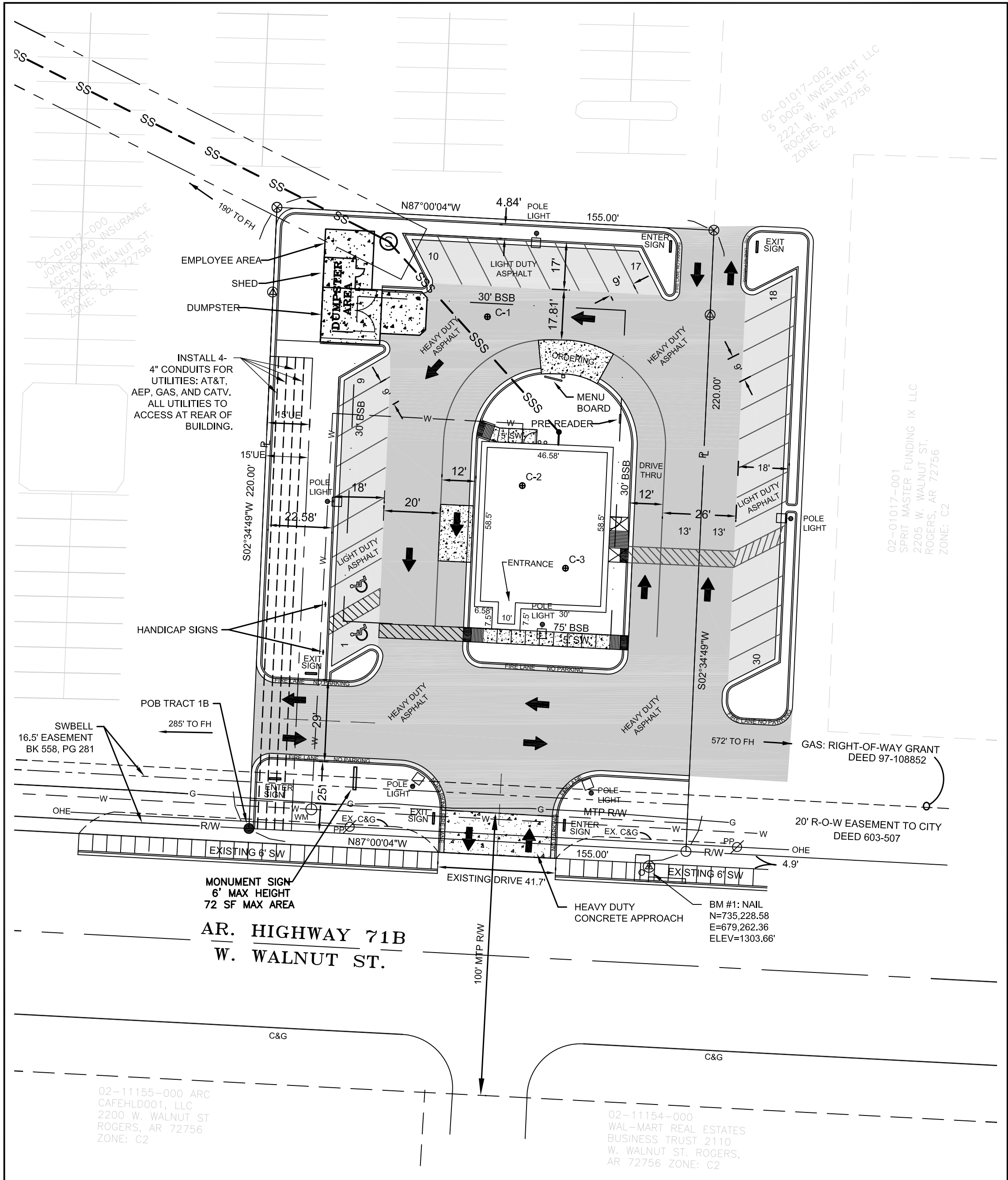
LEGEND

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VICINITY MAP

UTILITY SERVICE:	
WATER	- 8" MAIN EXISTS ALONG WALNUT ST.
SEWER	- TO BE EXTENDED TO SITE FROM NORTHWEST.
ELECTRIC	- FROM OVERHEAD ALONG WALNUT ST.
GAS	- FROM MAIN ALONG WALNUT ST.
TELEPHONE	- FROM CABLE ACROSS WALNUT ST.
CABLE TV	- FROM FRONT ALONG WALNUT ST.

** NOTE: SEE DETAILS ON SHEET 7

LSD: UTILITY PLAN



PROFESSIONAL
ENGINEERS

SURVEYING
SPECIALISTS

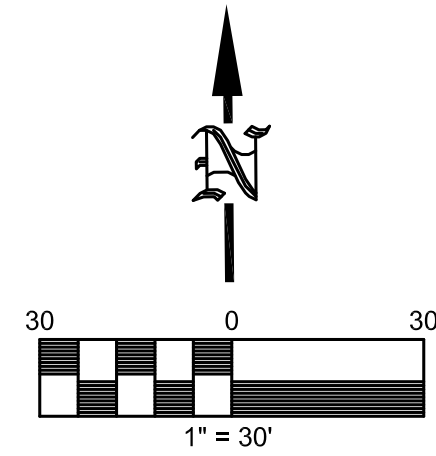
205 W. Center Phone:(479)443-4724 Fax:(479)443-4707
Fayetteville, Arkansas MCOEngr@swbell.net

CAPTAIN D'S RESTAURANT

ROGERS		BENTON COUNTY	ARKANSAS
DATE:	11-23-2015	OWNER(S): TRACT # 1B	SCALE: 1"=30'
REVISIONS:		SMTCCO EATERIES INC	FIELD BOOK No(s):
		P.O. BOX 10854	BOOK 3
		FAYETTEVILLE, AR 72703	PAGES 61-63
ZONING: C-2			DRAWN BY: DGC
HIGHWAY COMMERCIAL			CHECKED BY: MLM
OVERLAY DISTRICT		AREA: 0.783 AC (+) -	F.W: SH
MSP* WALNUT ST.		BASIS OF BEARINGS: NAD 83-AR NORTH	DRAWING NO. E-898
"MAJOR ARTERIAL"		STATE PLANE COORDINATES	C-04 UTILITY PLAN



KNOW WHAT'S BELOW.
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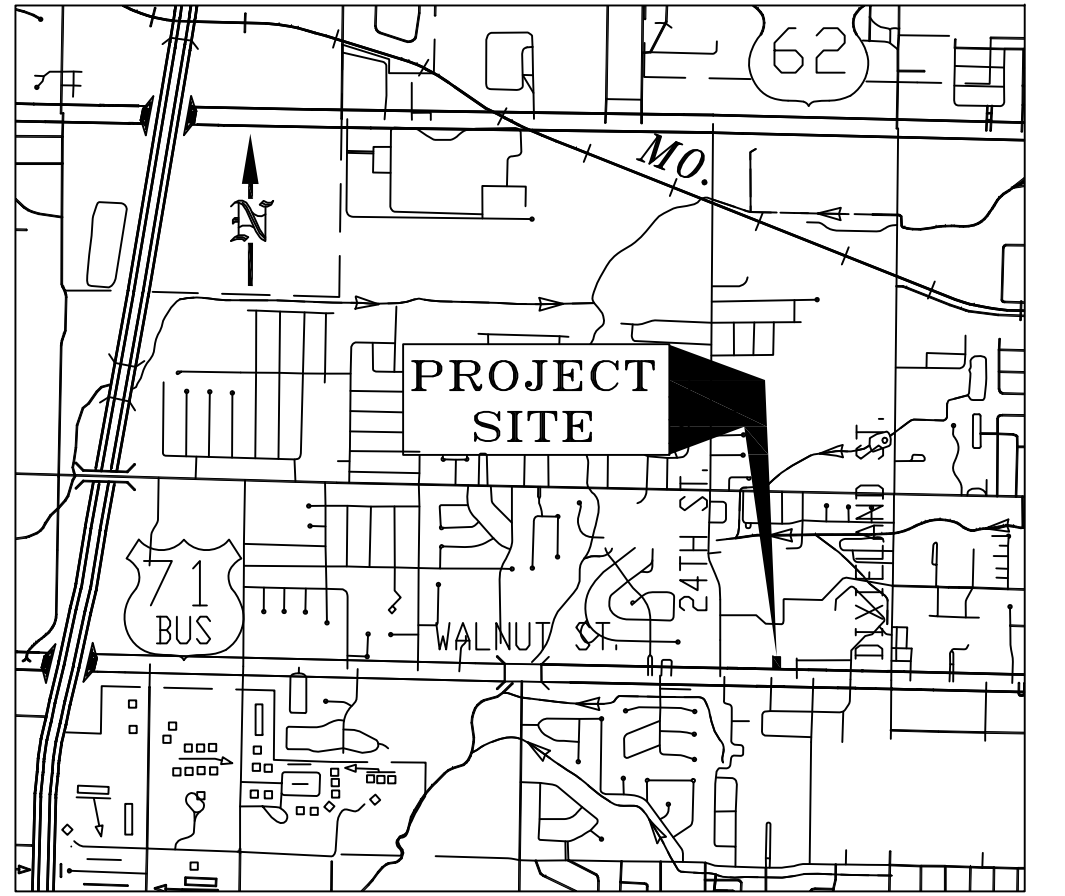
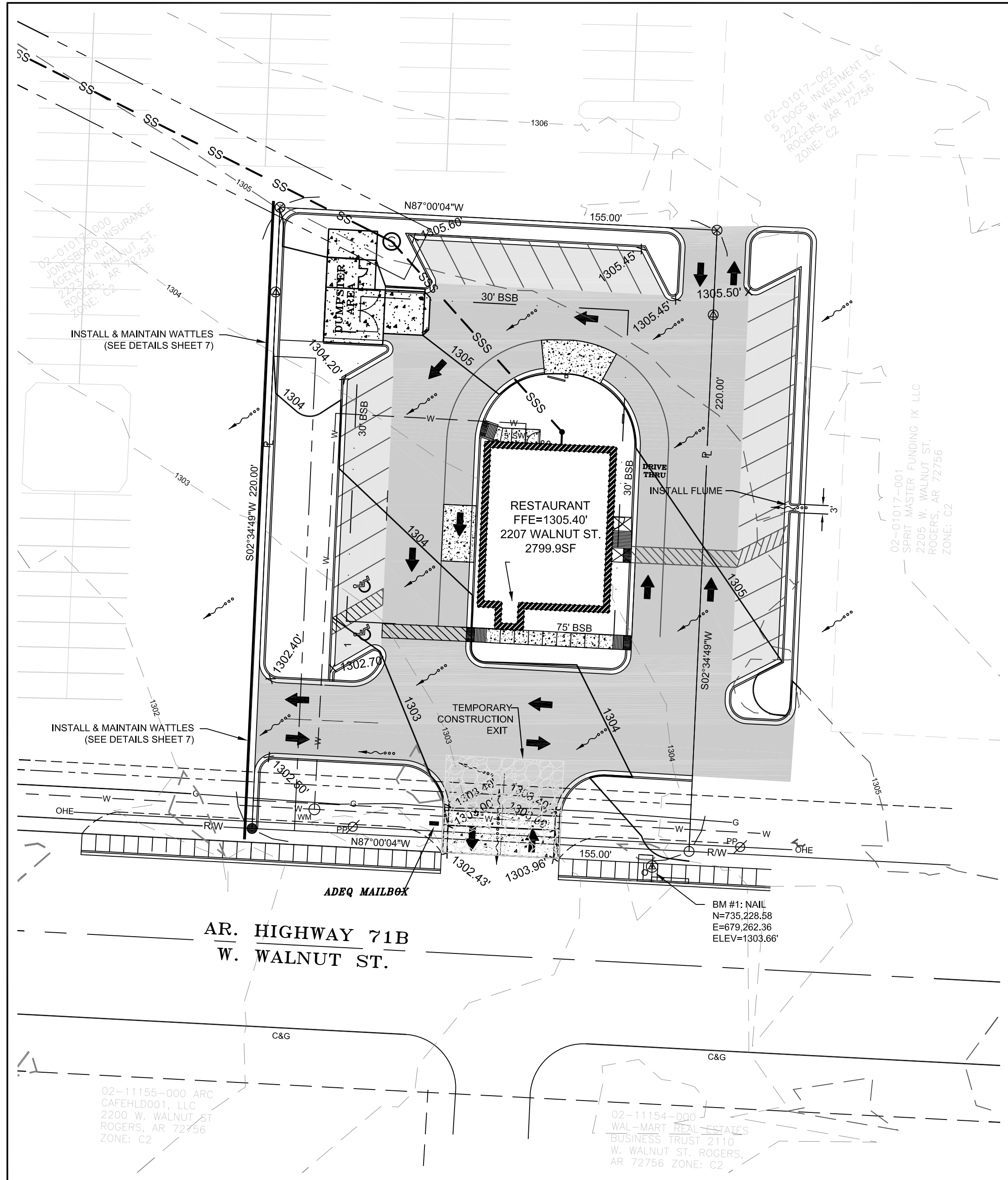
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VICINITY MAP

GRADING & EROSION CONTROL NOTES:

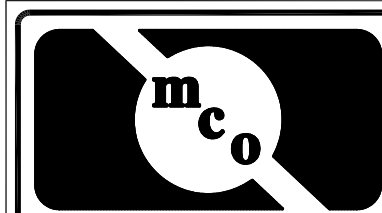
- ALL FILL MATERIAL USED SHALL CONSIST OF SELECT CHERTY CLAY. ALL FILL MATERIAL SHALL BE PLACED IN EIGHT (8) INCH LIFTS AND COMPACTED TO 95% STANDARD PROCTOR.
- CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND SEDIMENTATION. EROSION CONTROL MEASURES IDENTIFIED ON THIS PLAN SHALL NOT BE CONSTRUED AS A FINAL DESIGN, BUT RATHER A GENERAL REPRESENTATION OF THE EXPECTED MEASURES AND LOCATION. IT IS ANTICIPATED THAT SILT FENCE AND A B-STONE CONSTRUCTION ENTRANCE WOULD ACCOMMODATE THE EROSION CONTROL REQUIREMENTS.
- WHERE EXCESSIVE DUST MAY BECOME A PROBLEM, A PLAN FOR SPRAYING WATER ON HEAVILY TRAVELED DIRT AREAS SHALL BE ADDRESSED.
- STABILIZATION. ALL GRADED AND OTHERWISE DISTURBED AREAS SHALL BE STABILIZED WITHIN 15 DAYS IMMEDIATELY AFTER THE GRADING OR DISTURBANCE HAS BEEN COMPLETED. STABILIZATION METHODS SUCH AS BALED STRAW, FILTER FABRIC, DITCH CHECKS, DIVERSION DITCHES, SEDIMENT BASINS, MATTING, MULCHES, GRASSES AND GROUND COVER SHALL BE USED.
- ANY DEBRIS, SOIL, OR MUD FROM DEVELOPMENT SITES REACHING A PUBLIC STREET SHALL BE IMMEDIATELY REMOVED.
- TOP SOIL SHALL BE STOCKPILED AND PROTECTED FOR LATER USE ON AREAS REQUIRING LANDSCAPING. IF TOP SOIL OR OTHER SOIL IS TO BE STOCKPILED FOR MORE THAN 30 DAYS, A TEMPORARY COVER OF ANNUAL RYE OR OTHER SUITABLE GRASS SHALL BE PLANTED.
- REVEGETATION SHALL BE REQUIRED AFTER CONSTRUCTION TO ENSURE PROPER DRAINAGE AND MINIMIZE EROSION. REVEGETATION SHALL TAKE PLACE IN THE FORM OF SEEDING, SODDING, OR HYDROSEEDING AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL INSTALL A MAILBOX NEAR THE CONSTRUCTION ENTRANCE LABELED "ADEQ" IN WHICH THE CURRENT AND UP TO DATE SWPPP SHALL BE KEPT.

** NOTE: SEE DETAILS ON SHEET 7

LSD: GRADING, EROSION CONTROL,
AND SWPPP PLAN



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Mitholland
Company

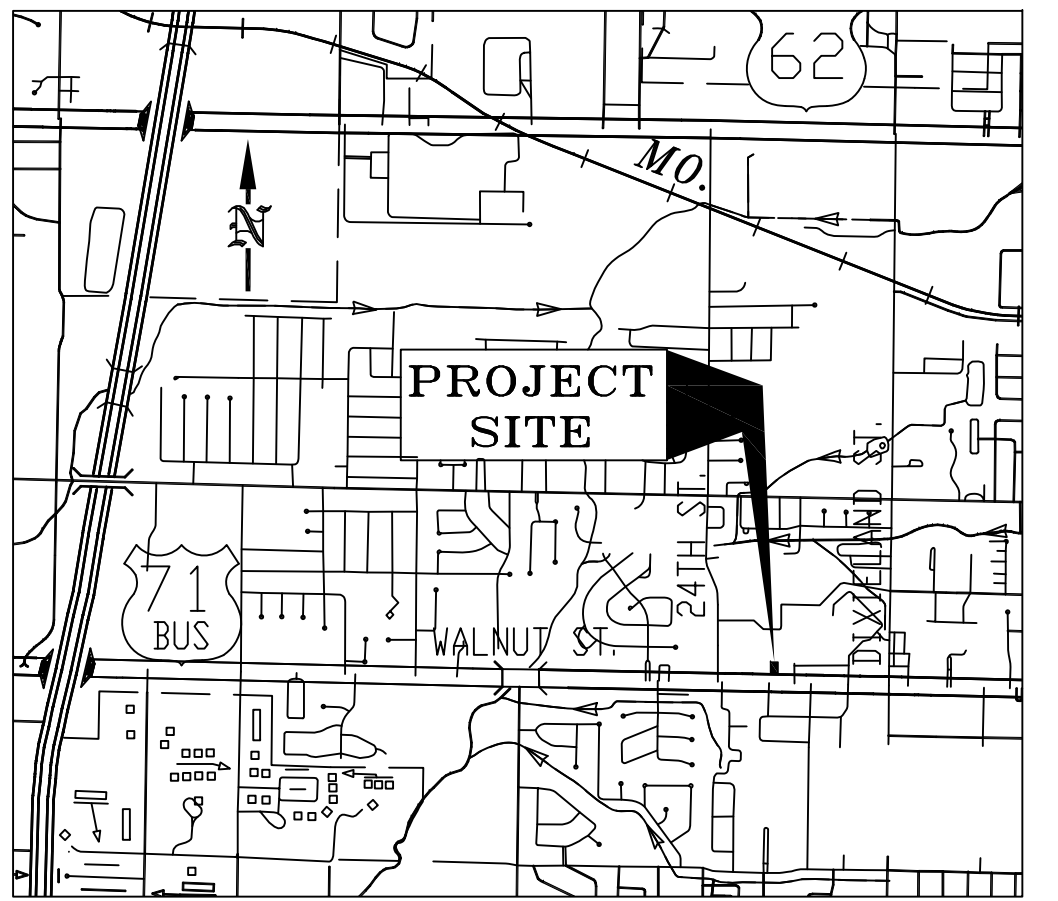
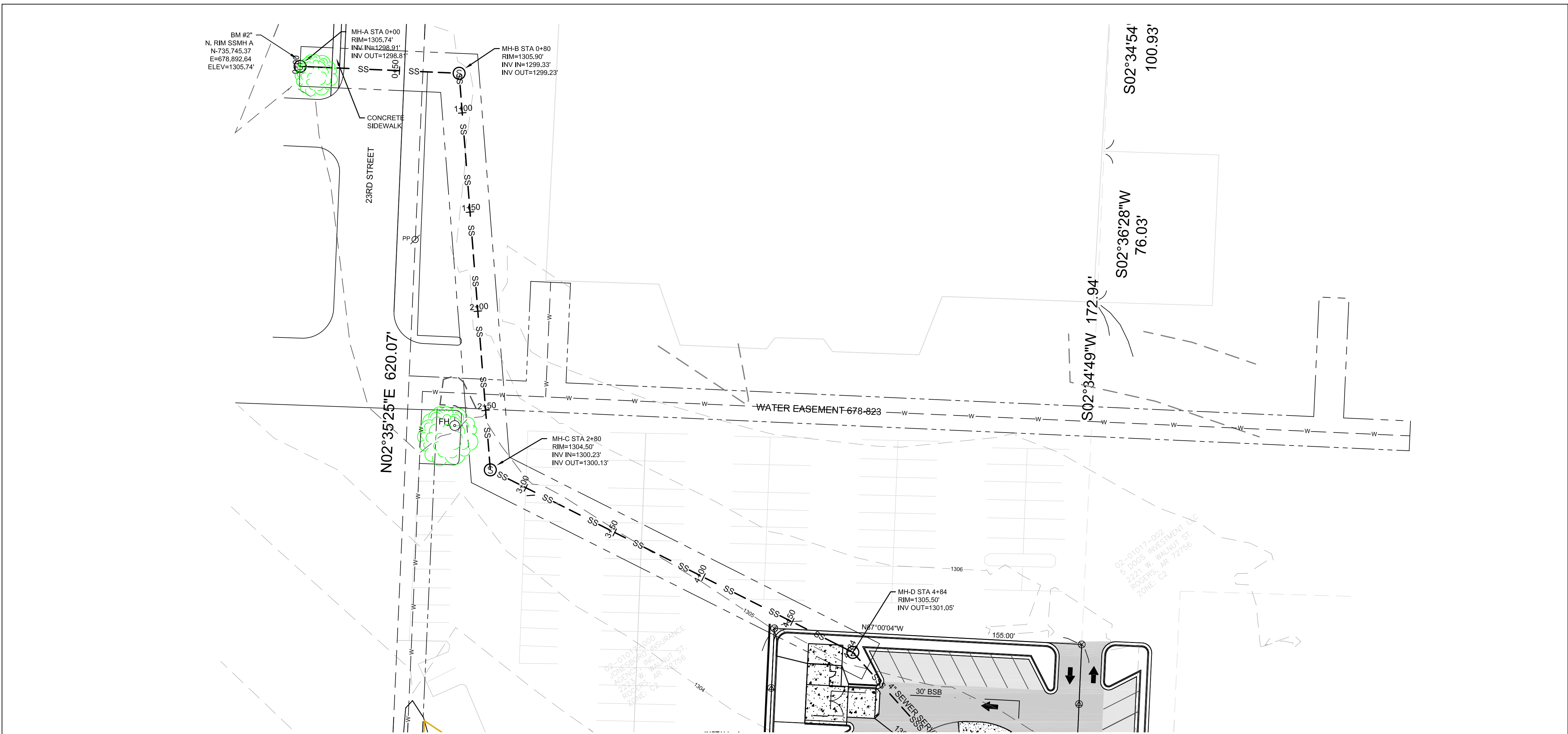
205 W. Center Fayetteville, Arkansas Phone:(479)443-4724 Fax:(479)443-4707 MCCOEngr@swbell.net

PROFESSIONAL
ENGINEERS

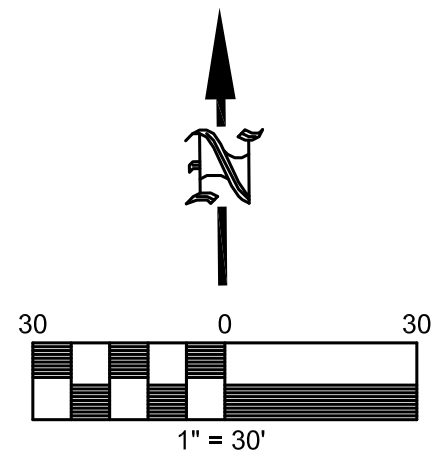
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SPECIALISTS

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DATE:	11-23-2015	OWNER(S):	TRACT # 1B	SCALE:
REVISIONS:		SMTCCO EATERIES INC		1"=30'
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				PAGES 61-63
ZONING: C-2				DRAWN BY: DGC
HIGHWAY COMMERCIAL				CHECKED BY: MLM
OVERLAY DISTRICT				F.W: SH
MSP* WALNUT ST.				DRAWING NO. E-898
"MAJOR ARTERIAL"				C-03 GRADE/EROSION
		AREA: 0.783 AC (+)		
		BASIS OF BEARINGS: NAD 83-AR NORTH		
		STATE PLANE COORDINATES		



VICINITY MAP



LEGEND

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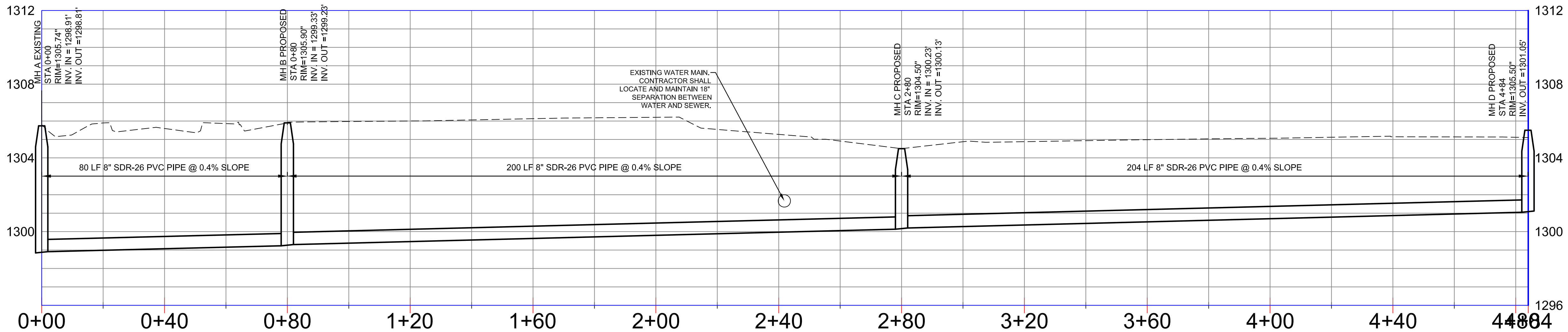
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NOTE: SEE SITE PLAN FOR BUILDING NOTES, USEAGE AND ADDRESS.

NOTE TO CONTRACTOR:

- ALL SEWER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION TO THE ROGERS UTILITY STANDARDS AND SPECIFICATIONS. (SEE DETAILS ON SHEET 8 OF THESE PLANS)
- BACKFILL UNDER PAVED AREAS SHALL BE FULL DEPTH CLASS 7 GRANULAR TRENCH BACKFILL.
- ALL MANHOLES IN TRAFFIC AREAS SHALL HAVE TRAFFIC RATED FRAMES AND COVERS.
- SEE DETAILS ON SHEET 7 & 8.



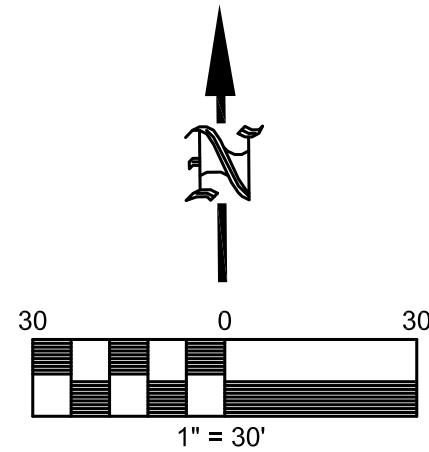
LSD: SANITARY SEWER PLAN/PROFILE

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		FAYETTEVILLE, AR 72703		PAGES 61-63	
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HIGHWAY COMMERCIAL				CHECKED BY:	MLM
OVERLAY DISTRICT		AREA:	0.783 AC (+)	F.W:	SH
MSP: WALNUT ST.		BASIS OF BEARINGS:	NAD 83-AR NORTH	DRAWING NO.	E-888
"MAJOR ARTERIAL"		STATE PLANE COORDINATES		C-05 SEWER P&P	



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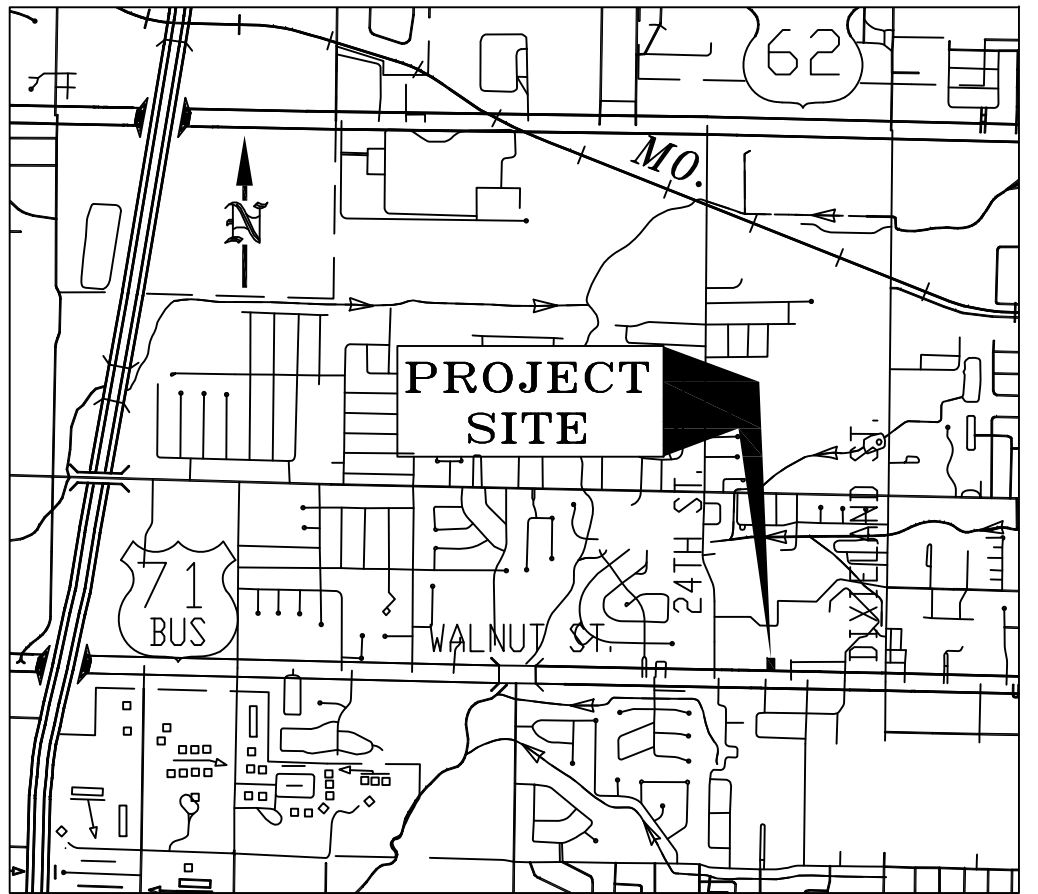
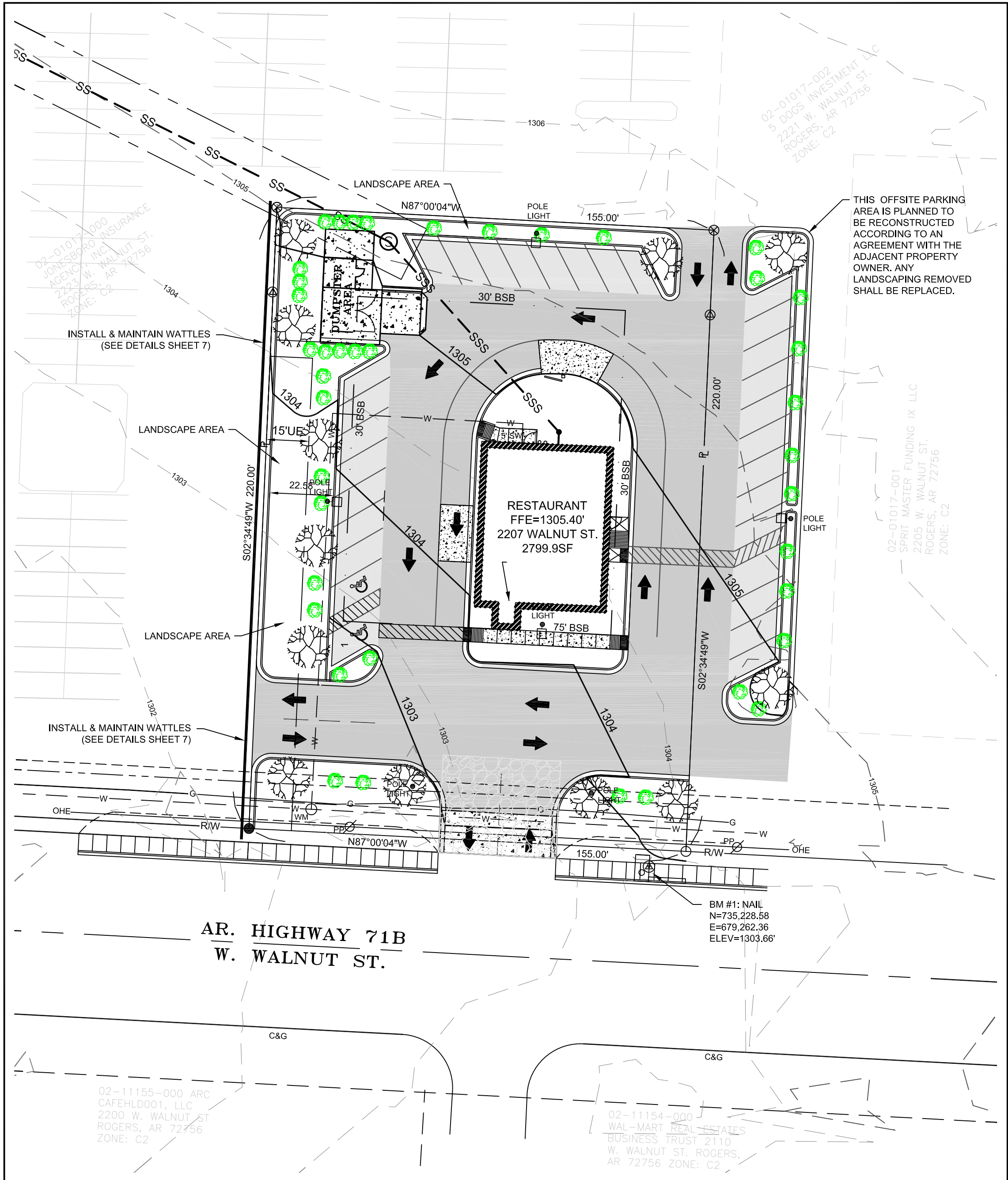
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VICINITY MAP

LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR SHALL CONTACT ARKANSAS ONE CALL FOR UTILITY LOCATIONS PRIOR TO BEGINNING LANDSCAPE WORK.
2. GRASS AREAS SHALL BE SODDED WITH ZOYSIA GRASS OR A SUITABLE SUBSTITUTE OR HYDROSEED PER MANUFACTURER'S INSTRUCTIONS WITH A MIXTURE OF 70% ZOYSIA AND 30% BLUEGRASS AT A RATE OF 204LBS/1000 S.F.
3. ALL PLANT MATERIALS SHALL MEET REQUIREMENTS ESTABLISHED BY THE AMERICAN STANDARD OF NURSERY STOCK.
4. ALL PLANT AND LANDSCAPE MATERIALS SHALL BE INSTALLED PER CITY OF ROGERS ORDINANCES. (SEE ARTICLE III, ROGERS CODE OF ORDINANCES)
5. OWNER SHALL PROVIDE A 3 YEAR GUARANTEE ON ALL PLANT MATERIALS.

LANDSCAPE REQUIREMENT:

1. 1 TREE OR SHRUB PER 1000 SF OF LAND AREA.
2. 0.783 ACRES = 34,107.5 SF
3. 34,107.5 / 1000 = 34.1 OR 35 TREES OR SHRUBS REQUIRED
4. 10 TREES PROVIDED ONSITE
5. 28 SHRUBS PROVIDED ONSITE
6. 2 TREES PROVIDED OFFSITE
7. 12 SHRUBS PROVIDED OFFSITE
8. SPECIES: TREES - EASTERN REDBUD (CERCIS CANADENSIS)
SHRUBS - MENTOR BARBERRY (BERBERIS MENTORENSIS)

TOTAL SHRUBS: 40

TOTAL TREES: 12

** NOTE: SEE DETAILS ON SHEET 7

LSD: LANDSCAPE PLAN

CAPTAIN D'S RESTAURANT

ROGERS		BENTON COUNTY		ARKANSAS	
DATE:	11-23-2015	OWNER(S):	TRACT # 1B SMITCO EATERIES INC P.O. BOX 10854 FAYETTEVILLE, AR 72703	SCALE:	1"=30'
REVISIONS:				FIELD BOOK No(s):	BOOK 3 PAGES 61-63
ZONING:	C-2 HIGHWAY COMMERCIAL			DRAWN BY:	DGC
OVERLAY DISTRICT				CHECKED BY:	MLM
				F.W:	SH
				DRAWING NO.	E-898
					C-06 LANDSCAPING

MSP* WALNUT ST. "MAJOR ARTERIAL"	BASIS OF BEARINGS: NAD 83-AR NORTH STATE PLANE COORDINATES
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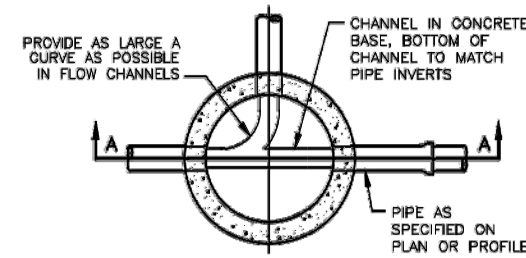
205 W. Center Fayetteville, Arkansas	Phone:(479)443-4724 Fax:(479)443-4707 MCOEng@swbell.net
---	--



KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

- NOTES:
1. A MANHOLE BARREL CONSTRUCTION JOINT IS ALLOWED WITHIN 12-FOOT ABOVE THE MANHOLE BASE AND SHALL HAVE A 4-FOOT MINIMUM 12-INCH ON CENTERS WITH 16" OVERLAP. A WATER STOP SHALL BE USED IF DIRECTED BY THE UTILITY.
 2. THE BASE AND WALLS SHALL BE POURED MONOLITHICALLY.
 3. THE CONTINUING OF ALL PIPES ENTERING AND LEAVING MANHOLE SHALL PASS THROUGH THE CENTER OF THE MANHOLE.
 4. MANHOLES THAT ARE LESS THAN 12'-6" IN DEPTH SHALL BE INDIVIDUALLY DESIGNED FOR LOCATION CONDITIONS AND MUST BE APPROVED BY THE UTILITY.
 5. POUR OUTSIDE MANHOLE BASE SO THAT THE TOP OF OUTSIDE BASE IS WITHIN 2-INCH ABOVE THE CROWN OF THE PIPES ENTERING THE MANHOLE. EXTEND MANHOLE BASE TO LIMITS OF EXCAVATION IN ALL DIRECTIONS.
 6. CONSTRUCT FLOW CHANNEL FOR ALL PIPES ENTERING MANHOLE INCLUDING SPOPPED SLOPE CHANNELS TO MATCH PIPE INVERTS.
 7. THE TOP OF MANHOLE TO BE LEVEL WITH FINISHED GRADE, UNLESS OTHERWISE NOTED OR DIRECTED BY THE UTILITY.
 8. BRUSH FINISH SURFACES OF CONCRETE AND REMOVE ALL SHARP EDGES.

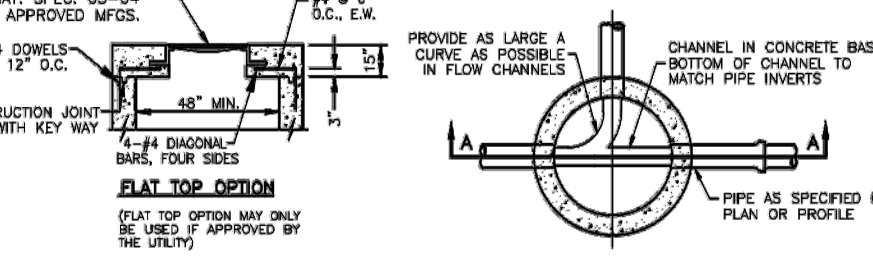


6 FT. CAST-IN-PLACE SANITARY SEWER MANHOLE DETAIL

SD-1
1
REV. DEC. 2008

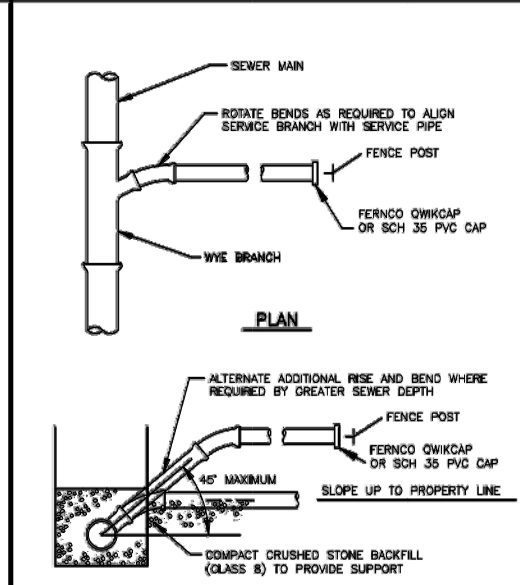
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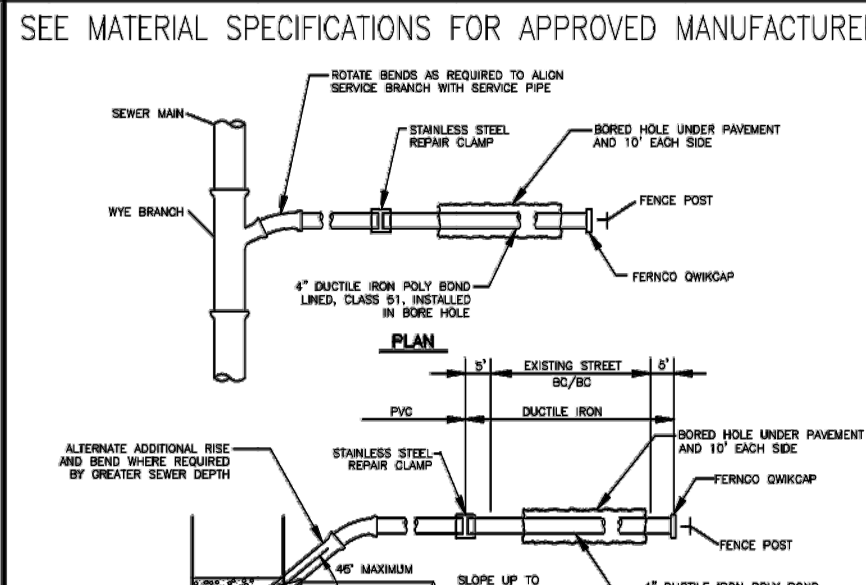
4 FT. CAST-IN-PLACE SANITARY SEWER MANHOLE DETAIL

SD-1
2
REV. DEC. 2008



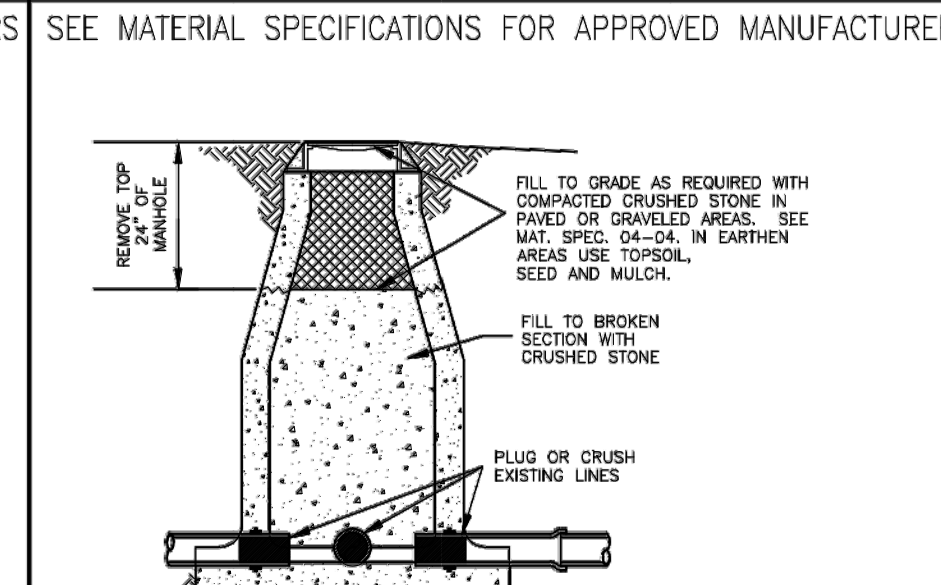
STANDARD SEWER SERVICE LATERAL

SD-1
3
REV. DEC. 2008



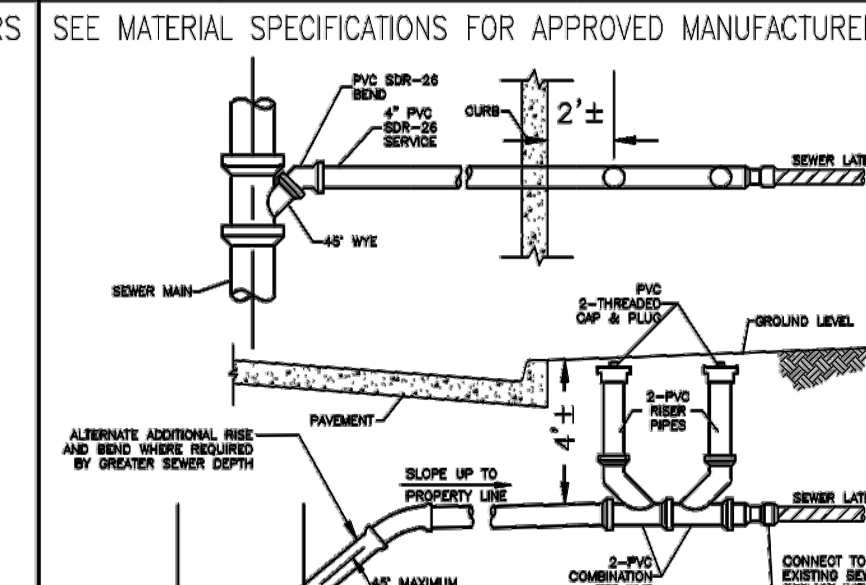
BORED SEWER SERVICE LATERAL UNDER EXISTING STREET

SD-1
4
REV. DEC. 2008



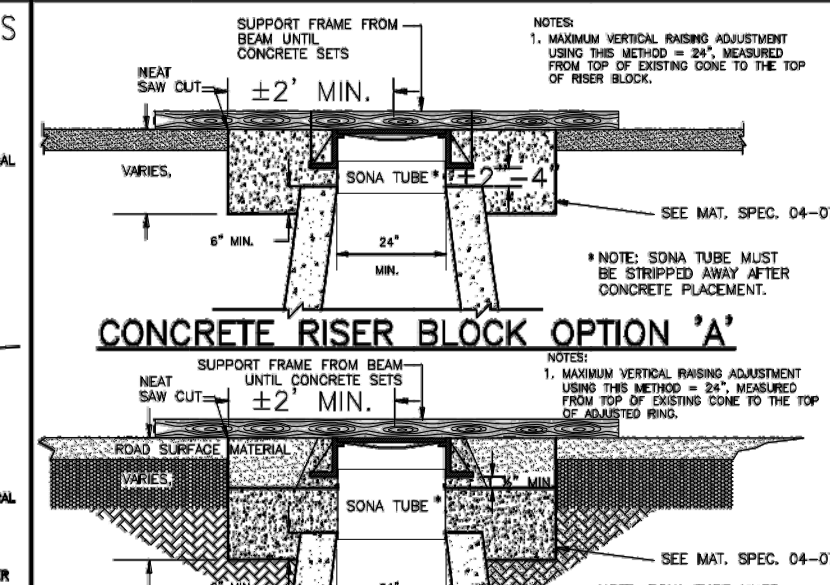
SANITARY SEWER MANHOLE ABANDONMENT

SD-1
5
REV. DEC. 2008



4 INCH TWO-WAY SERVICE CLEANOUT

SD-1
6
REV. MAY, 2012



CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

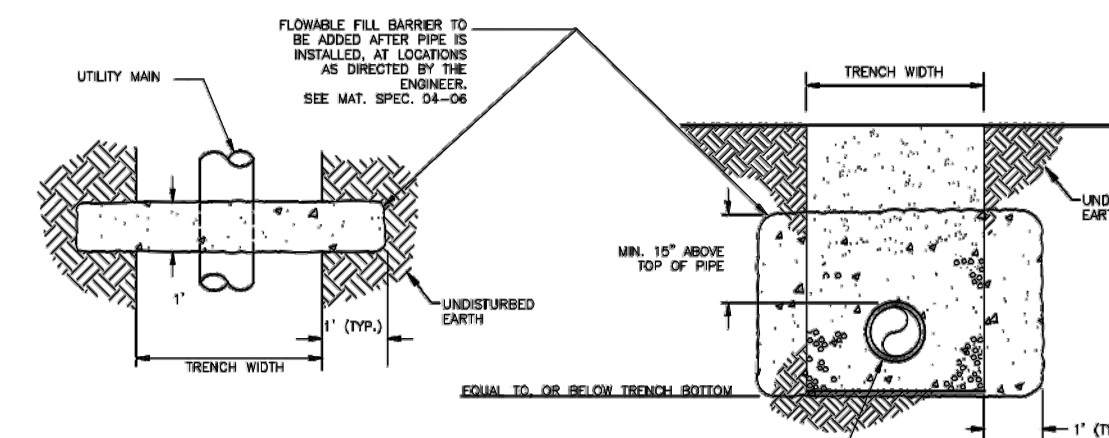
MANHOLE ADJUSTMENT IN PAVED AREAS

SD-1
6A
REV. DEC. 2008

RESERVED

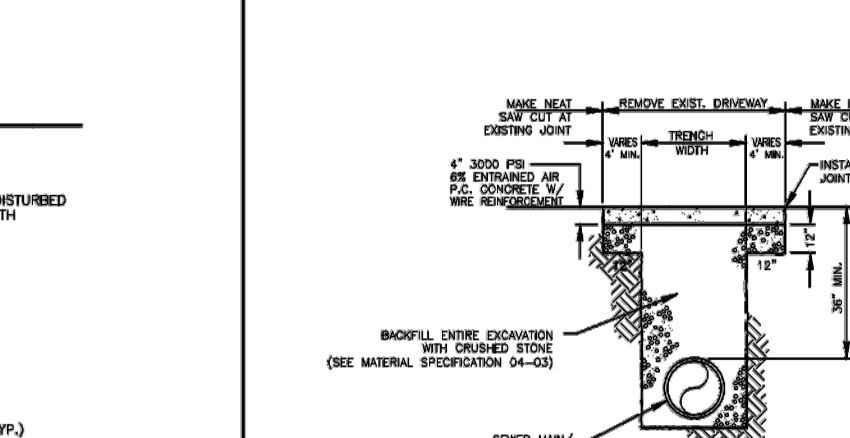
[HTTP://WWW.RWU.ORG/ENGINEERING.HTM](http://www.rwu.org/engineering.htm)

HYPERLINK TO RWU WEBSITE FROM ACTIVE .DWG FILE (HOLD DOWN "CONTROL KEY" AND LEFT-MOUSE-BUTTON-SELECT THE UNDERLINED LINK)



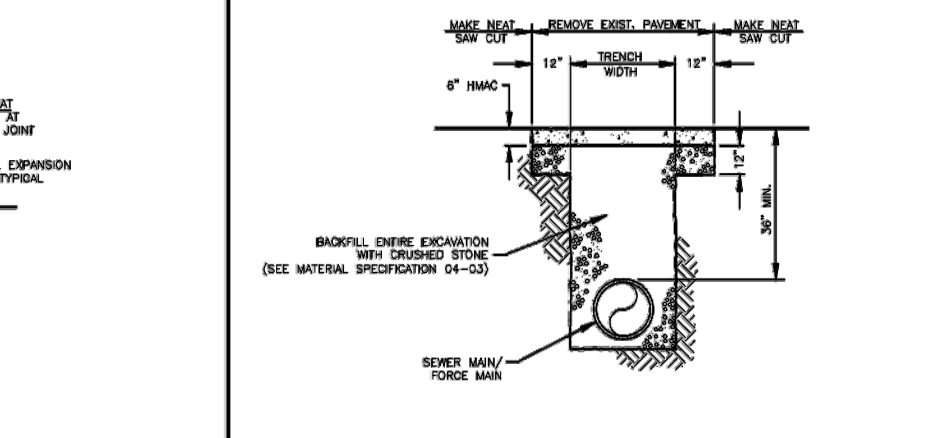
ANTI-SEEPAGE BARRIER COLUMN

SD-1
11
REV. DEC. 2008



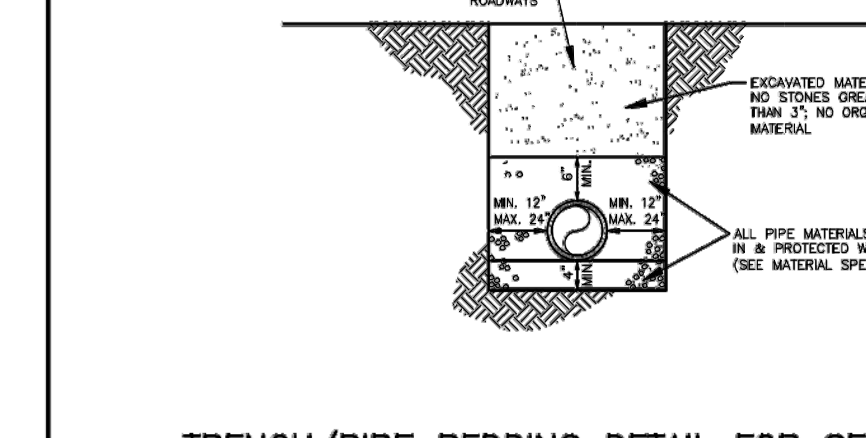
CONCRETE DRIVEWAY CROSSING REPAIR

SD-1
12
REV. DEC. 2008



ASPHALT DRIVEWAY/STREET CROSSING REPAIR

SD-1
13
REV. DEC. 2008



TRENCH/PIPE BEDDING DETAIL FOR SEWER FORCE MAINS & SANITARY SEWER MAINS

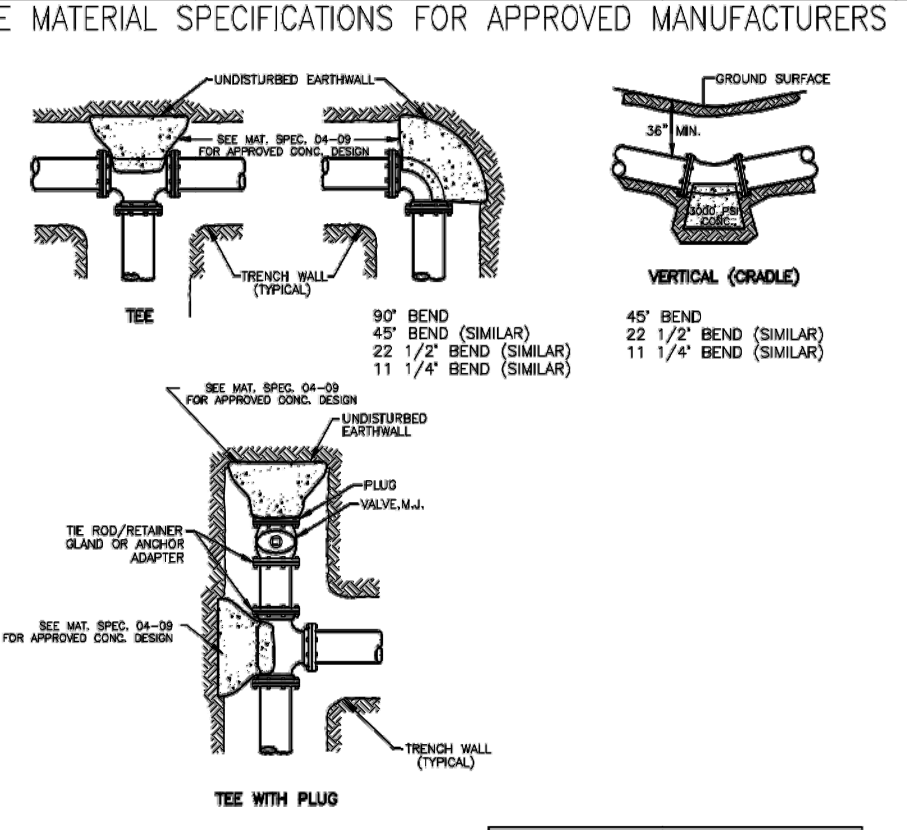
SD-1
14
REV. DEC. 2008



RESERVED

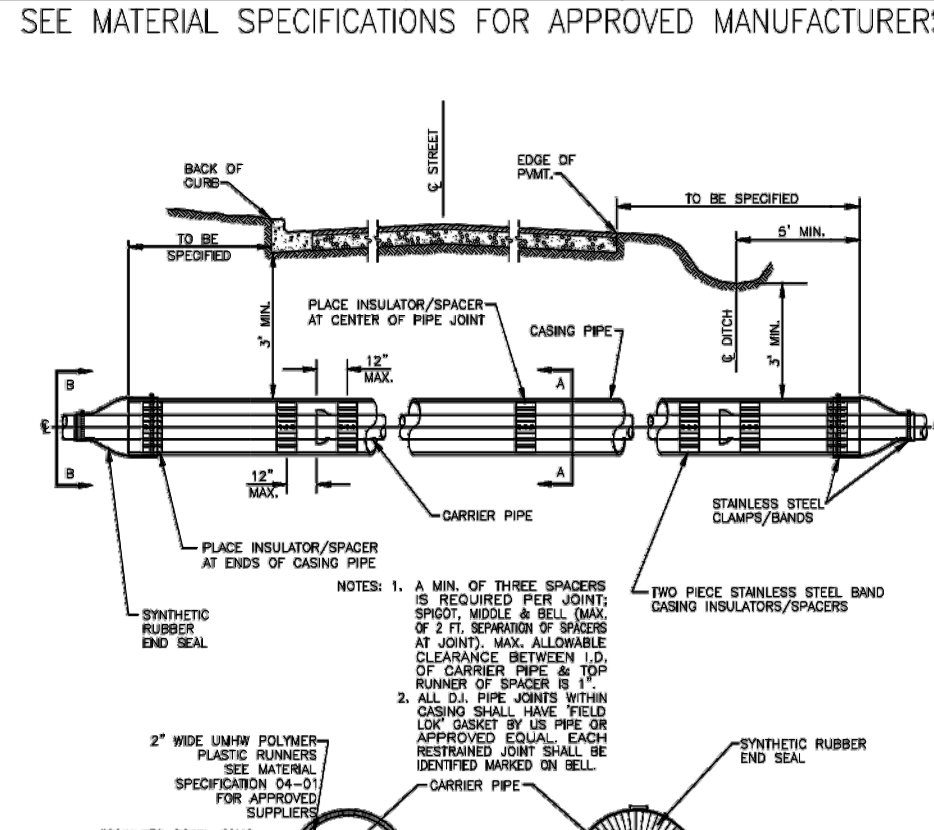
SD-1
15
REV. DEC. 2008

- GENERAL CONSTRUCTION NOTES:
- A. The contractor will be held solely responsible for damage occurring to any property during the construction of this project. Said contractor shall take all necessary precautions to prevent property damage.
 - B. In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.
 - C. All water and sewer improvements shall be constructed in accordance with the latest revision to the Rogers Water Utilities Standard Specifications.
 - D. The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
 - E. Contractor is to remove and dispose of all debris, rubbish and other materials resulting from previous and current demolition operations. Disposal will be in accordance with all local, state and/or federal regulations governing such operations.
 - F. Prior to installation of any utilities, the contractor is to excavate, verify, and calculate all crossings and inform the Rogers Water Utilities of any conflict prior to construction.
 - G. Construction shall not start on any water utility until approval is given by Rogers Water Utilities. Said contractor shall not operate any valve, hydrant, or water utility appurtenance nor shall he attach to or tap any water utility main without approval. The contractor shall bear the cost and consequence of any disruption of utility operation caused by construction.



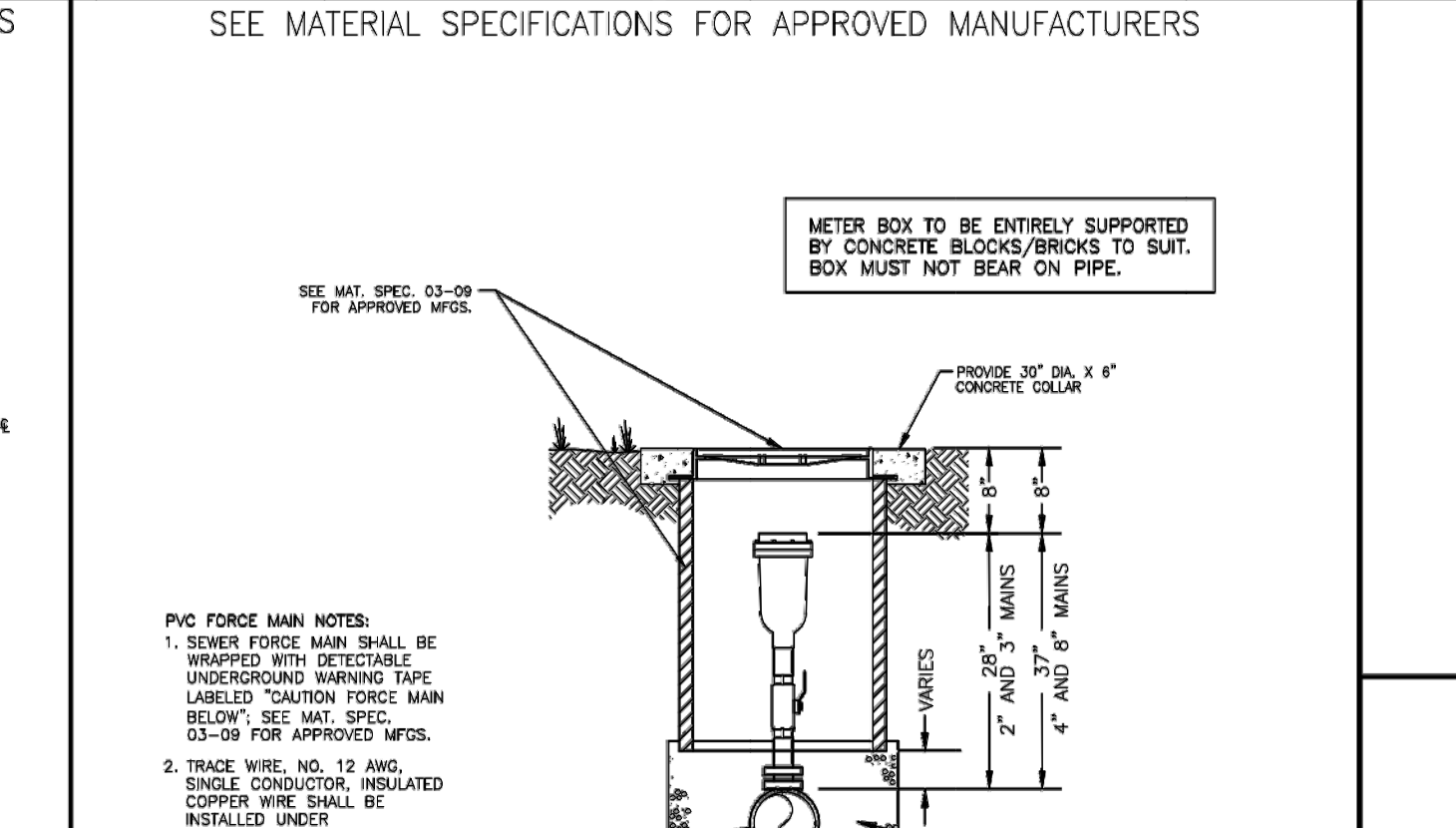
SEWER FORCE MAIN THRUST BLOCKING DETAIL

SD-1
17
REV. DEC. 2008



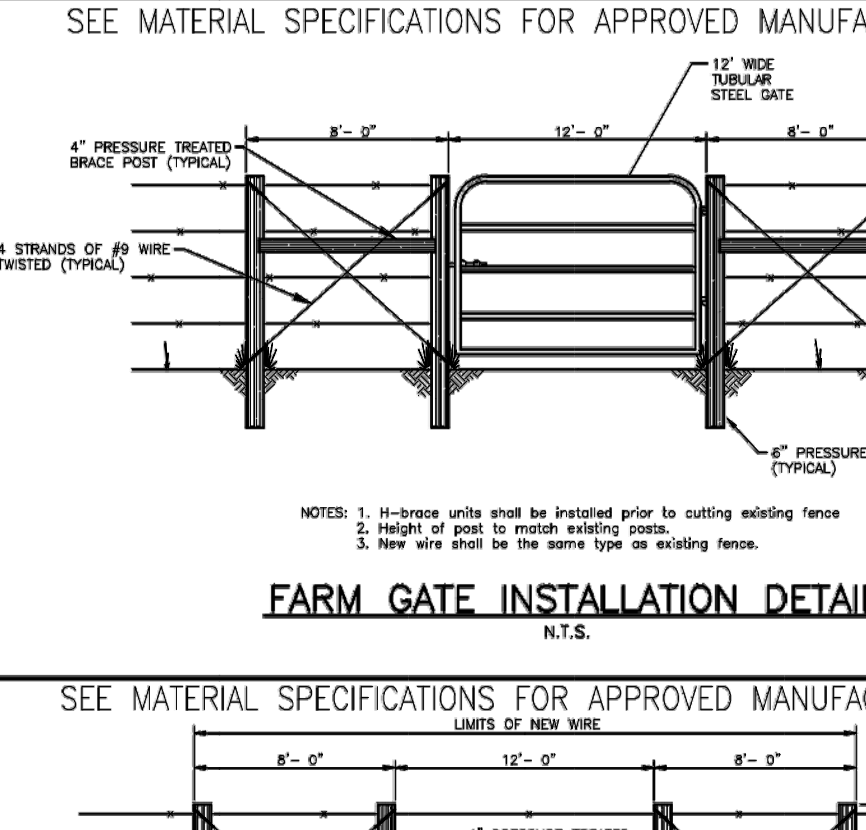
JACK & BORE UNDER ROADWAY DETAIL

SD-1
18
REV. DEC. 2008



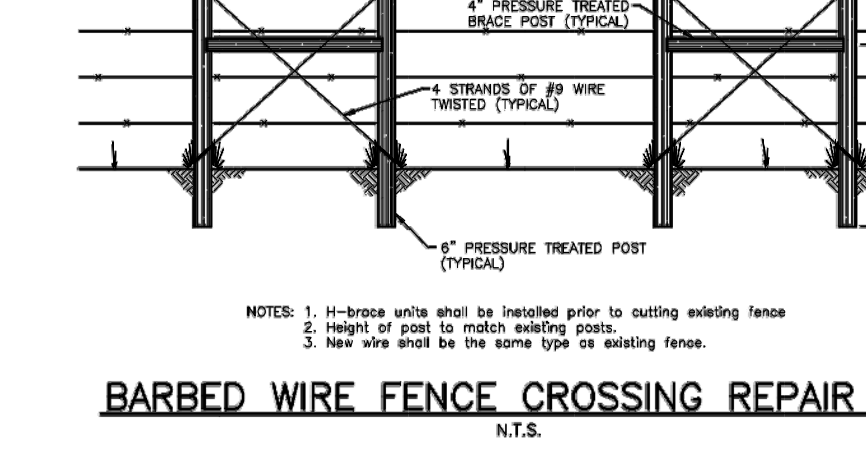
SEWER FORCE MAIN AIR AND VACUUM RELEASE VALVE ASSEMBLY

SD-1
19
REV. DEC. 2008



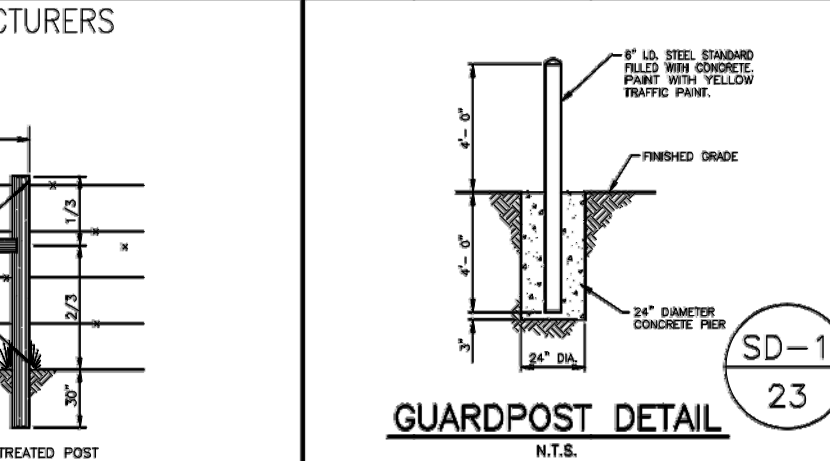
FARM GATE INSTALLATION DETAIL

SD-1
20
REV. DEC. 2008



BARBED WIRE FENCE CROSSING REPAIR DETAIL

SD-1
21
REV. DEC. 2008



GUARDPOST DETAIL

SD-1
22
REV. DEC. 2008

SEWER DETAILS
REVISED 05/08/2012

RWU
ROGERS WATER UTILITIES

P.O. DRAWER 338
OFFICE - 601 SOUTH 2ND ROGERS, ARKANSAS
72757-0338

DRAWN BY: **DD**
CHECKED BY: **EB**

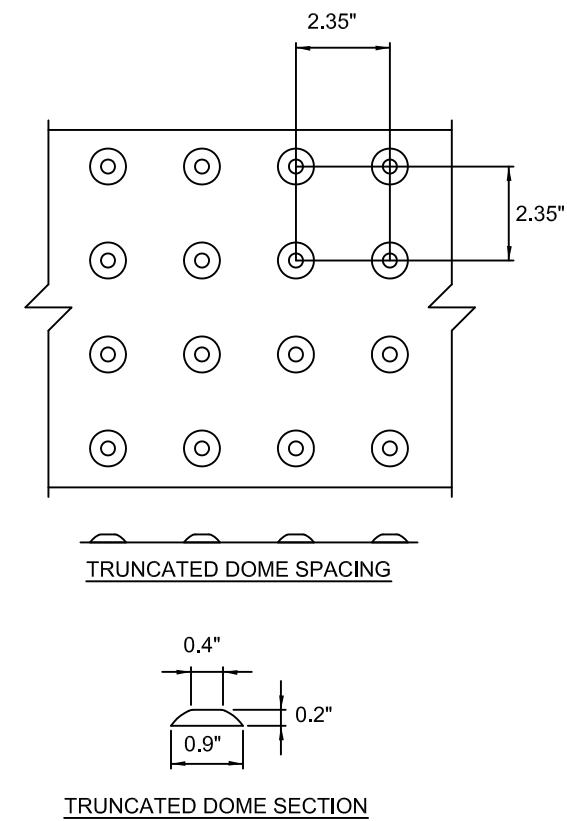
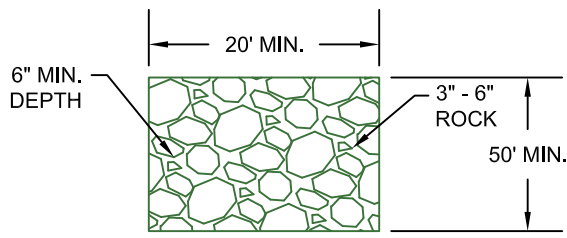
DATE: **REV. AUG. 2007**
PROJECT NUMBER: **STANDARD SEWER DETAILS**

SHEET NO.: **SD-1**



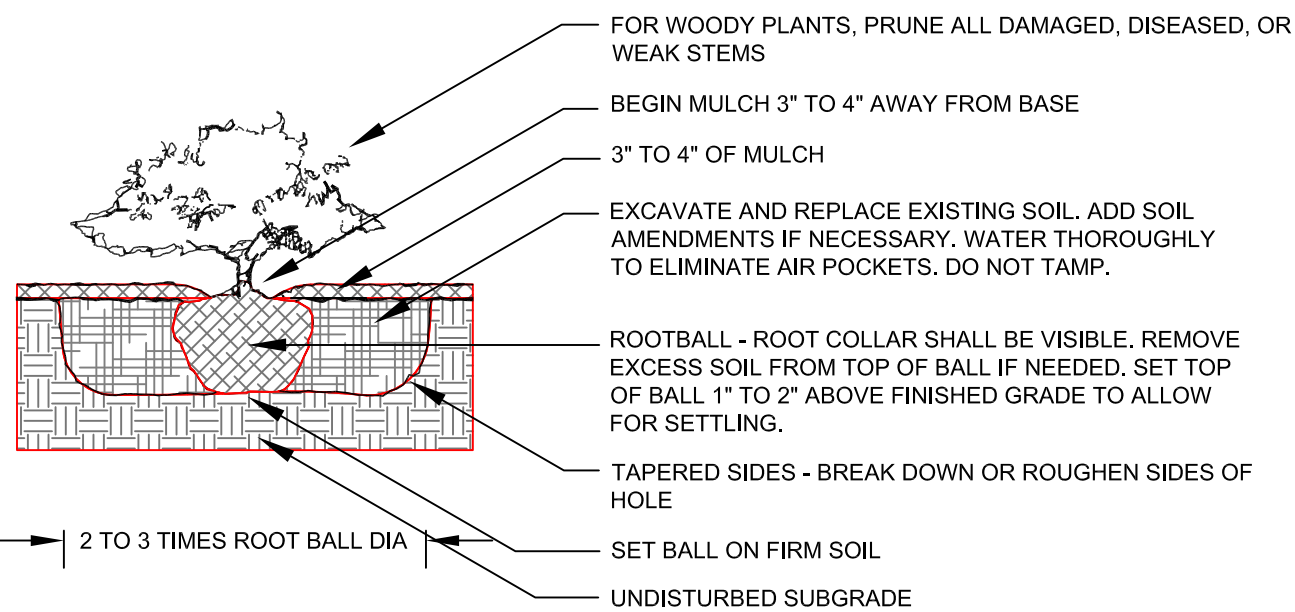
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.

TEMPORARY MUD ABATEMENT PAD



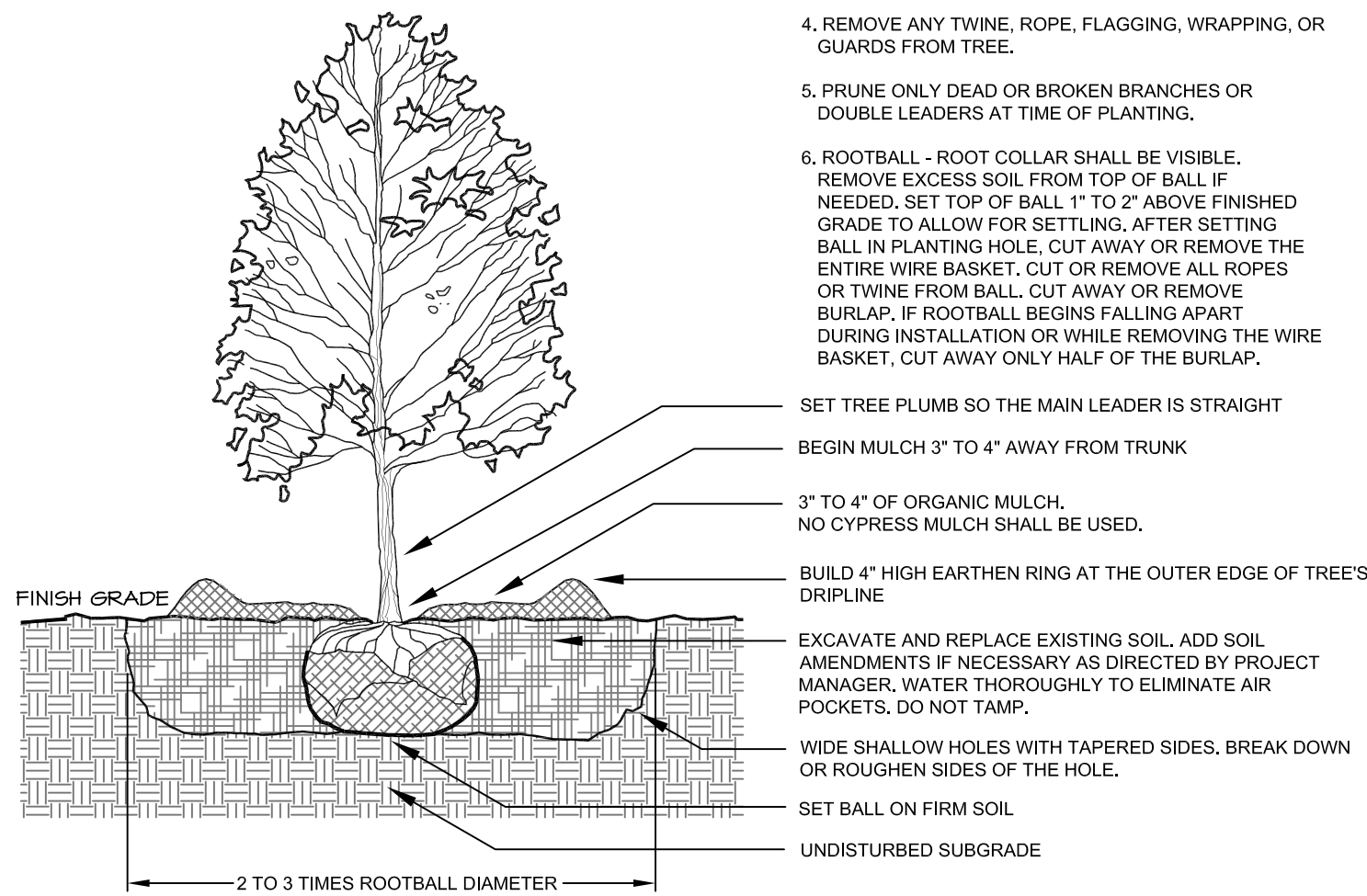
DETECTABLE WARNING DEVICE DETAIL

N.T.S.



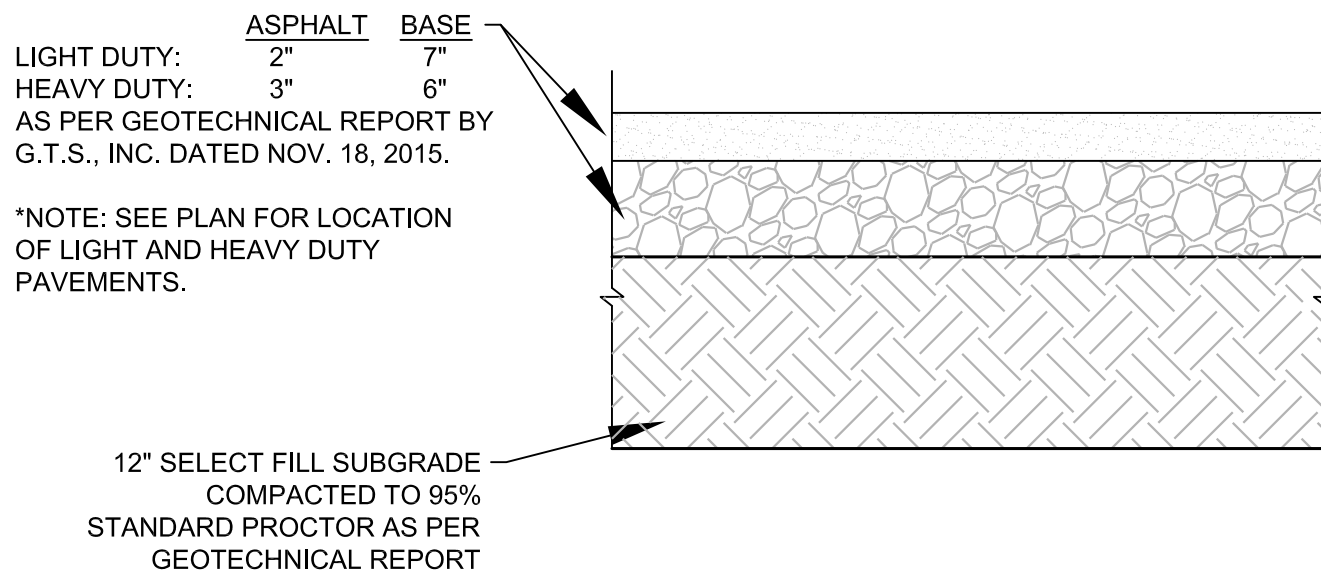
SHRUB PLANTING DETAIL

NOT TO SCALE



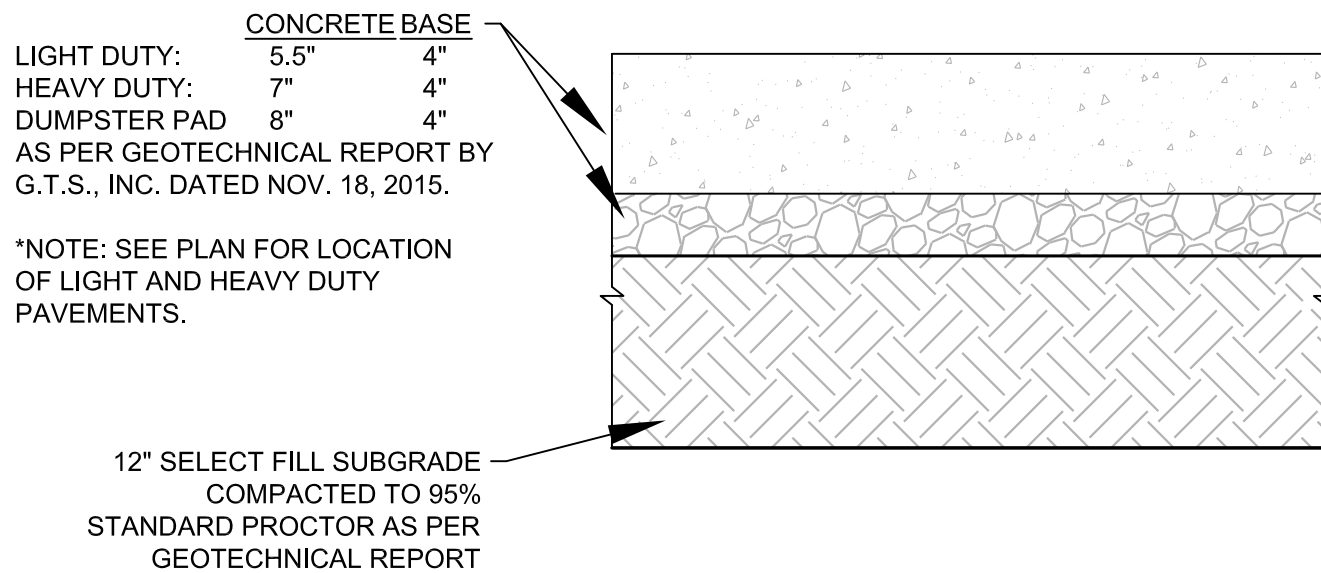
TREE PLANTING DETAIL

NOT TO SCALE



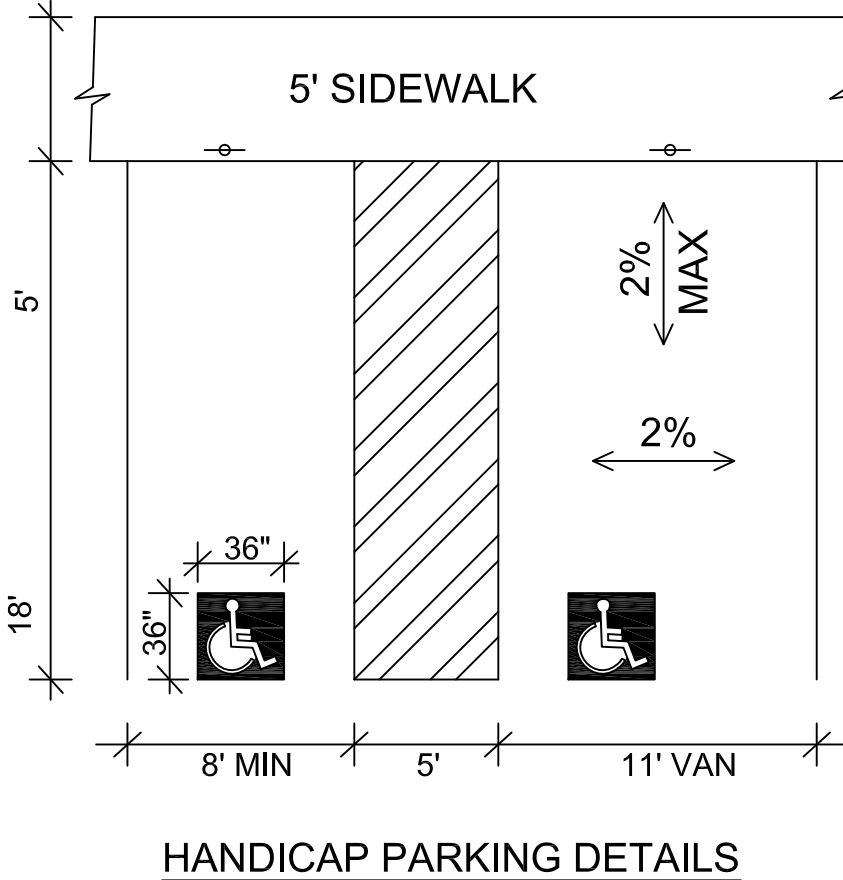
ASPHALT PAVEMENT SECTION

N.T.S.



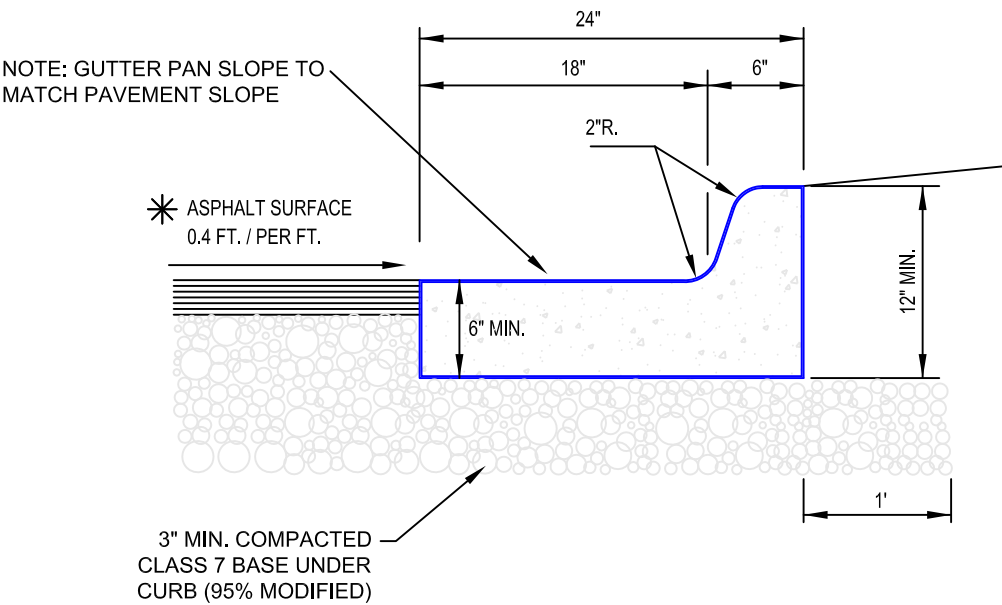
CONCRETE PAVEMENT SECTION

N.T.S.



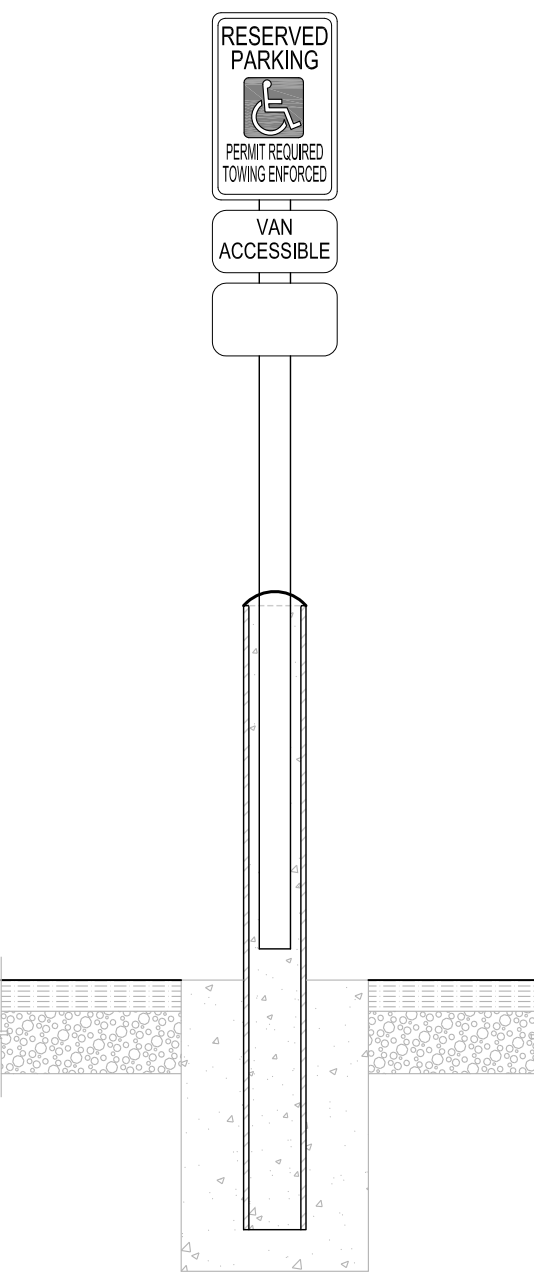
HANDICAP PARKING DETAILS

- GENERAL NOTES:
1. ALL CURB & GUTTER SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE. THE CONCRETE SHALL MEET THE AHTD REQUIREMENTS FOR CLASS S(AE) AIR ENTRAINED CONCRETE, AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000psi WHEN TESTED IN ACCORDANCE WITH AASHTO T 23.
 2. WHERE FLEXIBLE PAVEMENTS ARE USED, CONCRETE CURB & GUTTER CONTRACTION JOINTS SHALL BE PROVIDED AT 25' INTERVALS. EXPANSION JOINTS SHALL BE PROVIDED AT ALL STATIONARY STRUCTURES, SUCH AS DROP INLETS AND AT CURB RETURNS. THEY ARE TO BE CONSTRUCTED AT RIGHT ANGLES TO THE CURB LINE. WHERE RIGID PAVEMENTS ARE USED, SAWED JOINTS SHALL BE PROVIDED TO MATCH THE TRANSVERSE JOINTS IN THE CONCRETE PAVEMENT AND EXPANSION JOINTS SHALL BE PROVIDED AT STATIONARY STRUCTURES SUCH AS DROP INLETS, AND AT CURB RETURNS.
 3. ALL CONTRACTION JOINTS SHALL BE CONSTRUCTED TO THE PROPER WIDTH AND DEPTH, CLEANED, AND THE JOINT MATERIAL INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURE'S RECOMMENDATIONS.
 4. THE CONTRACTION JOINT MATERIAL SHALL MEET THE AHTD REQUIREMENTS FOR PAVEMENT JOINT MATERIAL, AND THE SUPPLIER SHALL FURNISH A MATERIALS CERTIFICATION ON THE JOINT MATERIAL.
 5. THE EXPANSION JOINT MATERIAL SHALL HAVE A THICKNESS OF 1/2" AND CONFORM TO AASHTO M 213.
 6. THE CURB & GUTTER SHALL BE CURED WITH A CURING COMPOUND OR WET BURLAP.
 7. IF THE SUBGRADE, SUBBASE, OR BASE IS DRY, IT SHALL BE WETTED JUST PRIOR TO PLACING THE CONCRETE SO THE MOISTURE WILL NOT BE PULLED FROM THE CONCRETE.
 8. AFTER THE CONCRETE CURB & GUTTER HAS SET, THE AREA BEHIND THE CURB SHALL BE PARTIALLY BACKFILLED BEFORE THE BASE MATERIAL IS PLACED AND COMPACTED.
 9. CURB MODIFICATIONS FOR DRIVEWAYS SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR CITY OF ROGERS. THE DRIVEWAY SHALL SLOPE UP TO A MINIMUM ELEVATION AT THE ROADWAY RIGHT-OF-WAY EQUAL TO THE HEIGHT OF THE CURB. AS AN ALTERNATE, THE ENTIRE CURB & GUTTER SECTIONS FOR THE DRIVEWAY MAY BE SAWED VERTICALLY FOR THE FULL DEPTH AND REMOVED. THE CURB & GUTTER SHALL THEN BE CONSTRUCTED AS A PART OF THE DRIVEWAY. THE MODIFIED CURB & GUTTER MUST HAVE THE SHAPE SHOWN IN THE STANDARD DETAIL, AND HAVE 1/2" FILLED CONSTRUCTION JOINTS AT EACH END OF THE DRIVEWAY.



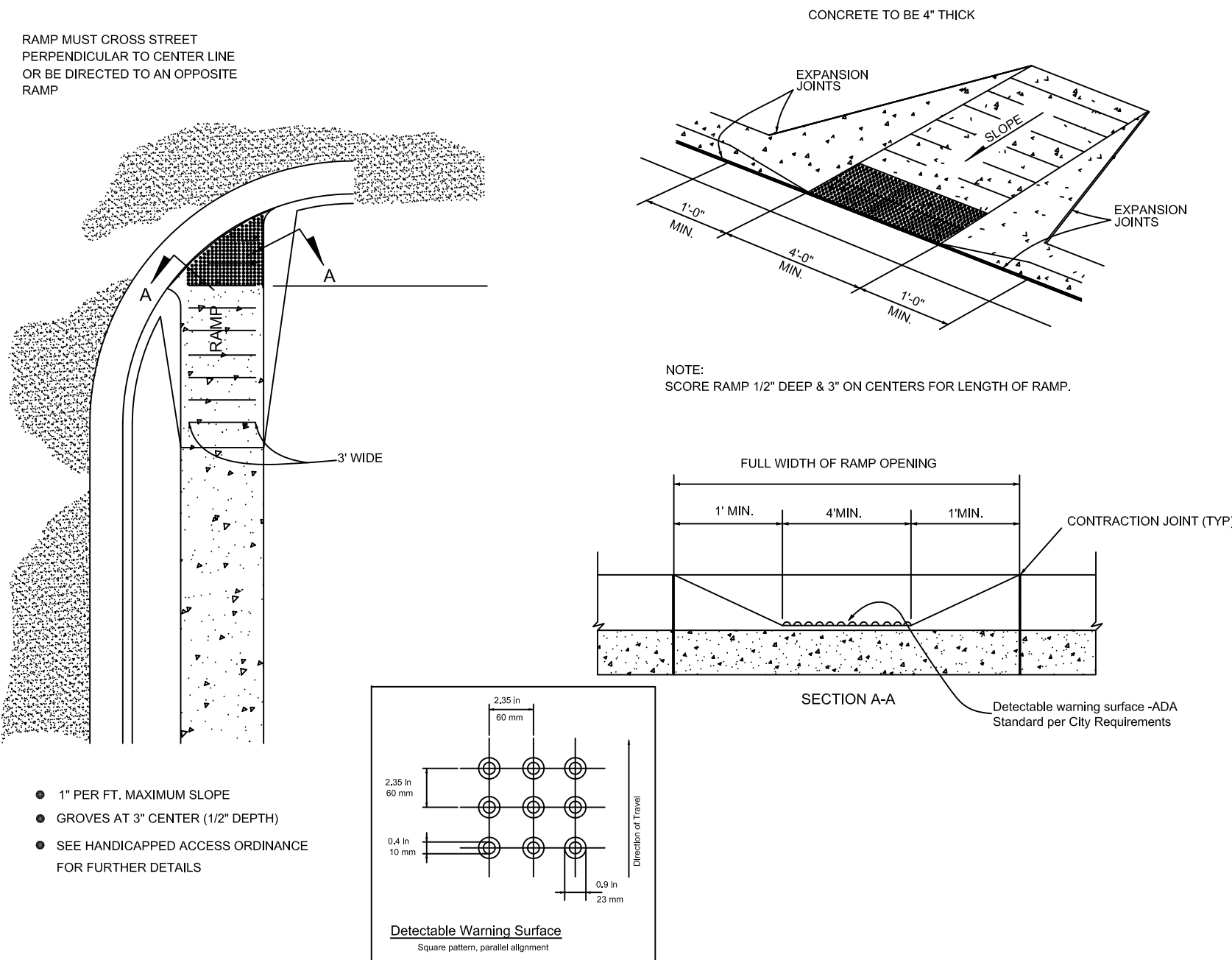
STANDARD CURB AND GUTTER

N.T.S.



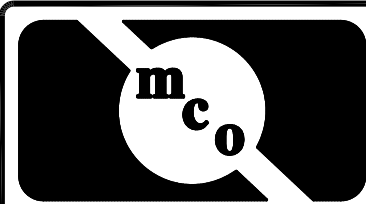
HANDICAP SIGN DETAILS

N.T.S.



HANDICAP ACCESS RAMP DETAIL

N.T.S.



Mitholland
Company

205 W. Center Fayetteville, Arkansas Phone: (479) 443-4724 Fax: (479) 443-4707 MCCoEngr@swbell.net

PROFESSIONAL
ENGINEERS

SURVEYING
SPECIALISTS

CAPTAIN D'S RESTAURANT

ROGERS		BENTON COUNTY		ARKANSAS	
DATE:	11-23-2015	OWNER(S):	TRACT # 18 SMITCO EATERIES INC P.O. BOX 10854 FAYETTEVILLE, AR 72703	SCALE:	N.T.S.
REVISIONS:				FIELD BOOK No(s):	BOOK 3 PAGES 61-63
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					C-07 G. DETAILS